

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052419\
 Data File : VN055794.D
 Acq On : 24 May 2019 14:27
 Operator : JC/SP
 Sample : VN0524MBSD01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524MBSD01

Manual Integrations
 APPROVED

MMDadoda
 5/28/2019 10:35:54 AM

Quant Time: May 25 04:50:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 24 06:41:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	372559	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	535420	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	475772	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	203976	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	189610	49.28	ug/l	0.00
Spiked Amount			Recovery	=	98.56%	
35) Dibromofluoromethane	7.59	113	171866	50.77	ug/l	0.00
Spiked Amount			Recovery	=	101.54%	
50) Toluene-d8	10.09	98	652685	50.26	ug/l	0.00
Spiked Amount			Recovery	=	100.52%	
62) 4-Bromofluorobenzene	12.40	95	220295	49.48	ug/l	0.00
Spiked Amount			Recovery	=	98.96%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	44326	17.678	ug/l	98
3) Chloromethane	2.06	50	65583	18.668	ug/l	99
4) Vinyl Chloride	2.18	62	69581	18.570	ug/l	98
5) Bromomethane	2.54	94	49000m	20.903	ug/l	
6) Chloroethane	2.69	64	44061	19.531	ug/l	99
7) Trichlorofluoromethane	3.01	101	92059	18.740	ug/l	98
8) Diethyl Ether	3.40	74	41841	19.003	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.74	101	57193	18.651	ug/l	99
10) Methyl Iodide	3.94	142	88895	19.828	ug/l	99
11) Tert butyl alcohol	4.81	59	70339	95.683	ug/l #	89
12) 1,1-Dichloroethene	3.72	96	60854	19.206	ug/l	95
13) Acrolein	3.60	56	42843	81.391	ug/l	93
14) Allyl chloride	4.31	41	102526	18.875	ug/l	98
15) Acrylonitrile	4.99	53	166686	98.745	ug/l	100
16) Acetone	3.82	43	144891	85.670	ug/l	100
17) Carbon Disulfide	4.04	76	161777	17.971	ug/l	99
18) Methyl Acetate	4.33	43	70905	19.860	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	206673	19.557	ug/l	97
20) Methylene Chloride	4.54	84	71004	19.385	ug/l	96
21) trans-1,2-Dichloroethene	5.03	96	66034	19.399	ug/l	98
22) Diisopropyl ether	5.96	45	203234	19.237	ug/l	98
23) Vinyl Acetate	5.90	43	863599	95.342	ug/l	100
24) 1,1-Dichloroethane	5.84	63	117616	19.121	ug/l	99
25) 2-Butanone	6.84	43	222574	94.231	ug/l	99
26) 2,2-Dichloropropane	6.82	77	92654	17.405	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	77988	19.637	ug/l	98
28) Bromochloromethane	7.19	49	59502	20.318	ug/l	97
29) Tetrahydrofuran	7.22	42	147446	98.574	ug/l	98
30) Chloroform	7.37	83	118832	19.372	ug/l	99
31) Cyclohexane	7.65	56	110785	19.184	ug/l	93
32) 1,1,1-Trichloroethane	7.57	97	104203	19.036	ug/l	100
36) 1,1-Dichloropropene	7.79	75	87287	18.707	ug/l	99
37) Ethyl Acetate	6.93	43	91459	20.281	ug/l	99
38) Carbon Tetrachloride	7.77	117	91784	18.885	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052419\
 Data File : VN055794.D
 Acq On : 24 May 2019 14:27
 Operator : JC/SP
 Sample : VN0524MBSD01
 Misc : 5.00µg/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0524MBSD01

Manual Integrations
 APPROVED

MMDadoda
 5/28/2019 10:35:54 AM

Quant Time: May 25 04:50:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 24 06:41:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	106532	18.438	ug/l	100
40) Benzene	8.04	78	279293	19.861	ug/l	99
41) Methacrylonitrile	7.18	41	37823	16.601	ug/l	86
42) 1,2-Dichloroethane	8.12	62	90424	19.679	ug/l	100
43) Isopropyl Acetate	8.17	43	145359	19.184	ug/l #	92
44) Trichloroethene	8.83	130	78951	20.139	ug/l	98
45) 1,2-Dichloropropane	9.12	63	72034	19.661	ug/l	99
46) Dibromomethane	9.21	93	47238	19.660	ug/l	96
47) Bromodichloromethane	9.40	83	93165	18.909	ug/l	99
48) Methyl methacrylate	9.20	41	70051	20.060	ug/l	97
49) 1,4-Dioxane	9.20	88	29348	404.422	ug/l	92
51) 4-Methyl-2-Pentanone	9.99	43	443015	98.998	ug/l	99
52) Toluene	10.16	92	179386	20.283	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	99514	18.922	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	113693	19.514	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	71536	20.190	ug/l	99
56) Ethyl methacrylate	10.43	69	109491	19.996	ug/l	99
57) 1,3-Dichloropropane	10.71	76	115456	20.047	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	196872	94.080	ug/l	99
59) 2-Hexanone	10.75	43	308230	97.093	ug/l	100
60) Dibromochloromethane	10.90	129	79666	19.301	ug/l	99
61) 1,2-Dibromoethane	11.00	107	74448	20.258	ug/l	98
64) Tetrachloroethene	10.63	164	81591	20.333	ug/l	99
65) Chlorobenzene	11.43	112	191843	20.142	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	73001	19.217	ug/l	99
67) Ethyl Benzene	11.51	91	343657	20.120	ug/l	99
68) m/p-Xylenes	11.62	106	277292	42.944	ug/l	99
69) o-Xylene	11.95	106	130121	20.311	ug/l	98
70) Styrene	11.96	104	207353	19.987	ug/l	100
71) Bromoform	12.13	173	60004	18.519	ug/l #	99
73) Isopropylbenzene	12.25	105	335434	21.603	ug/l	99
74) N-amyl acetate	12.07	43	115926	19.603	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	101193	21.672	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	89090m	23.710	ug/l	
77) Bromobenzene	12.53	156	120730	27.737	ug/l	66
78) n-propylbenzene	12.59	91	353285	19.928	ug/l	99
79) 2-Chlorotoluene	12.67	91	217484	21.313	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	281646	21.607	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	27033	17.832	ug/l	97
82) 4-Chlorotoluene	12.77	91	203005	19.480	ug/l	100
83) tert-Butylbenzene	12.99	119	241881	21.167	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	300375	23.389	ug/l	99
85) sec-Butylbenzene	13.17	105	304764	20.817	ug/l	100
86) p-Isopropyltoluene	13.29	119	275031	19.416	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	138042	20.029	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	128921	19.675	ug/l	100
89) n-Butylbenzene	13.61	91	206461	19.022	ug/l	98
90) Hexachloroethane	13.87	117	50763	18.827	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	137806	20.041	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	16716	18.495	ug/l	93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN052419\
Data File : VN055794.D
Acq On : 24 May 2019 14:27
Operator : JC/SP
Sample : VN0524MBSD01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0524MBSD01

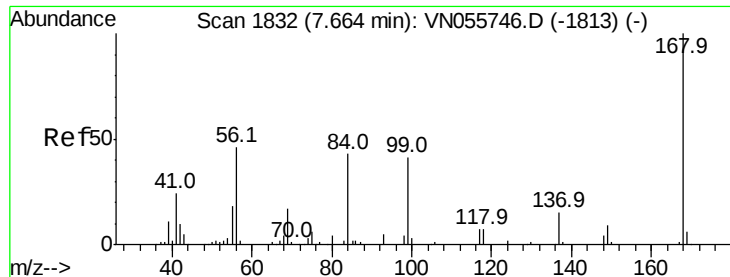
Manual Integrations
APPROVED

MMDadoda
5/28/2019 10:35:54 AM

Quant Time: May 25 04:50:55 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
Quant Title : SW846 8260
QLast Update : Fri May 24 06:41:54 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	67361	19.425	ug/l	98
94) Hexachlorobutadiene	15.01	225	49837	19.479	ug/l	97
95) Naphthalene	15.13	128	208503	22.097	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	71897	19.780	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055794.D

Acq: 24 May 2019 14:27

Instrument :

MSVOA_N

ClientSampled :

VN0524MBSD01

Tot Ion:168 Resp: 372559

Ion Ratio Lower Upper

168 100

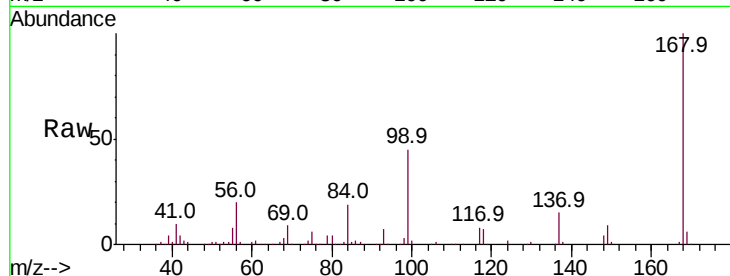
99 44.6 37.2 55.8

Manual Integrations

APPROVED

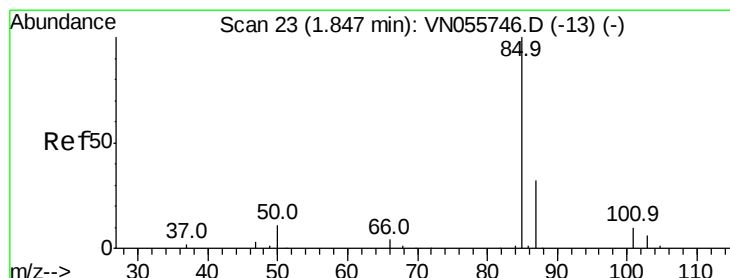
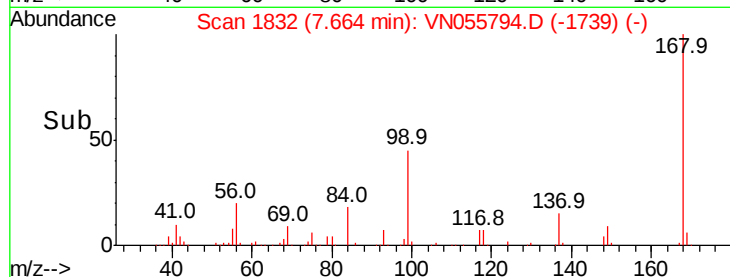
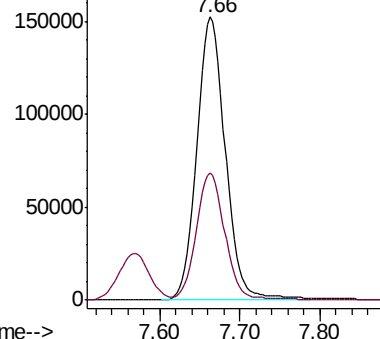
MMDadoda

5/28/2019 10:35:54 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 17.678 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN055794.D

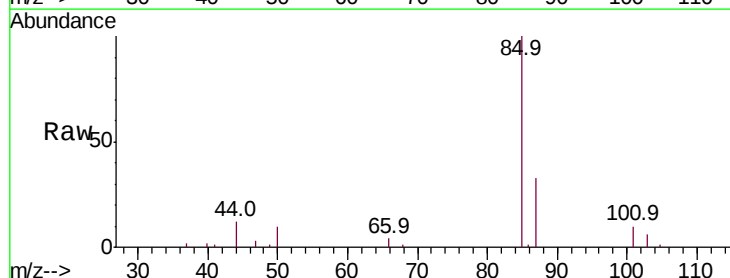
Acq: 24 May 2019 14:27

Tgt Ion: 85 Resp: 44326

Ion Ratio Lower Upper

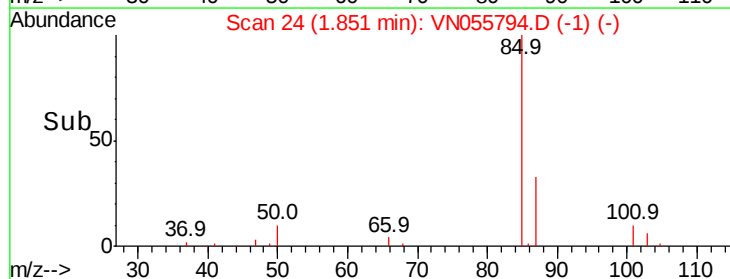
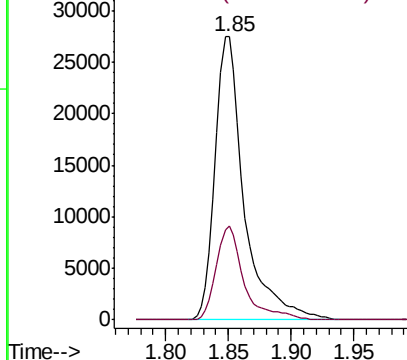
85 100

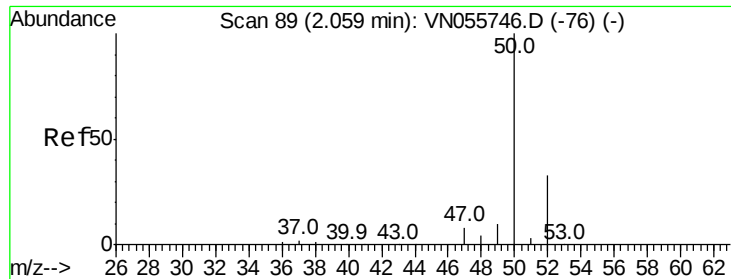
87 33.1 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





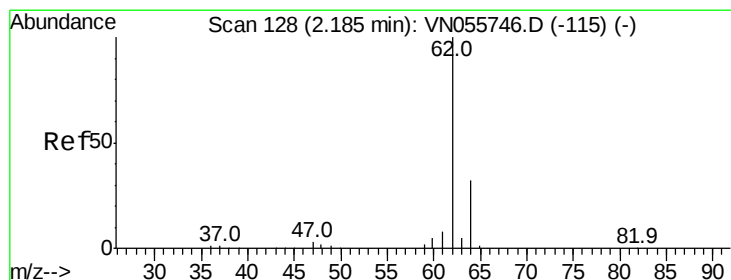
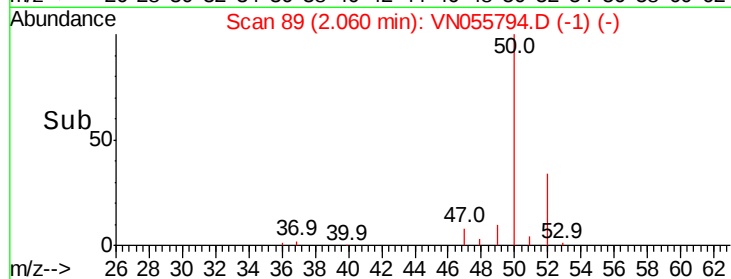
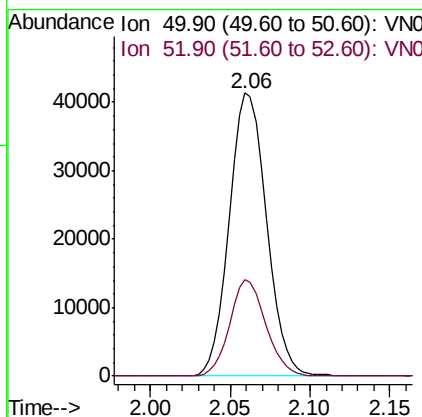
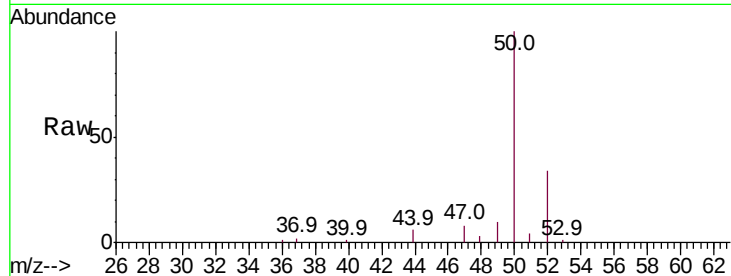
#3
Chloromethane
Concen: 18.668 ug/l
RT: 2.06 min Scan# 89
Delta R.T. 0.00 min
Lab File: VN055794.D
Acq: 24 May 2019 14:27

Instrument :
MSVOA_N
ClientSampleId :
VN0524MBSD01

Tot Ion: 50 Resp: 65583
Ion Ratio Lower Upper
50 100
52 34.1 26.6 40.0

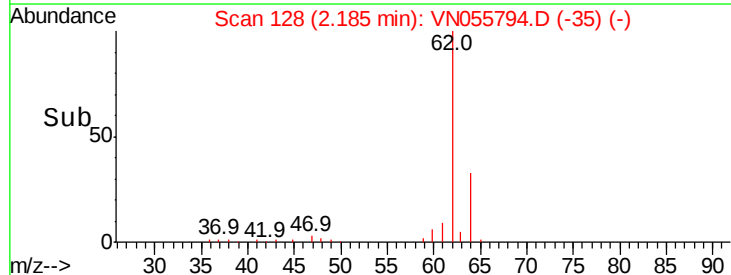
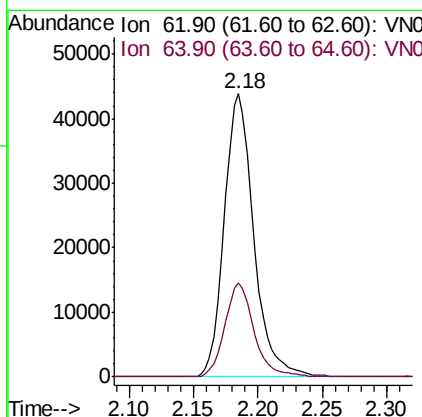
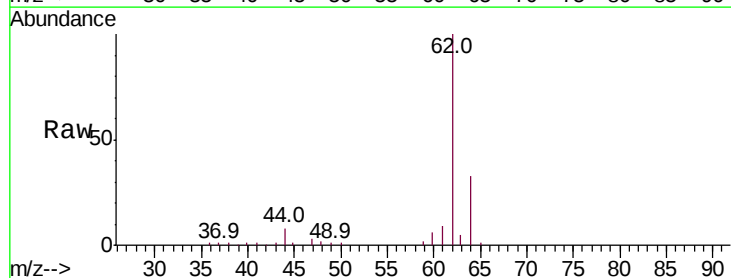
Manual Integrations
APPROVED

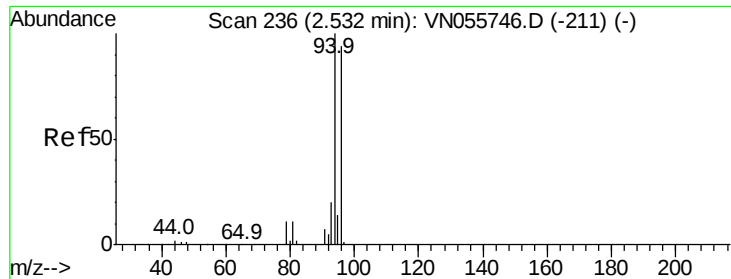
MMDadoda
5/28/2019 10:35:54 AM



#4
Vinyl Chloride
Concen: 18.570 ug/l
RT: 2.18 min Scan# 128
Delta R.T. 0.00 min
Lab File: VN055794.D
Acq: 24 May 2019 14:27

Tgt Ion: 62 Resp: 69581
Ion Ratio Lower Upper
62 100
64 33.3 25.6 38.4





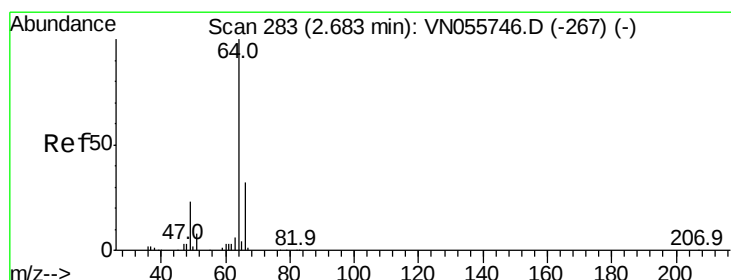
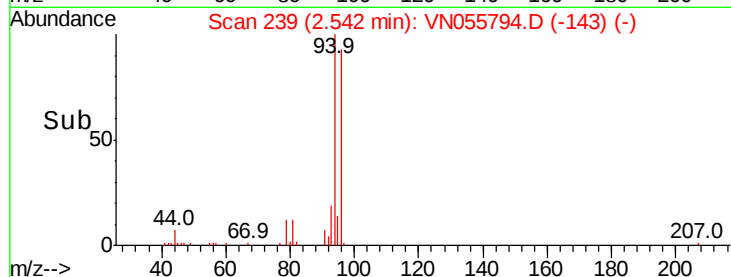
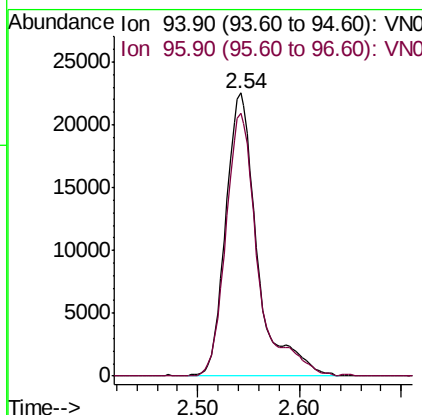
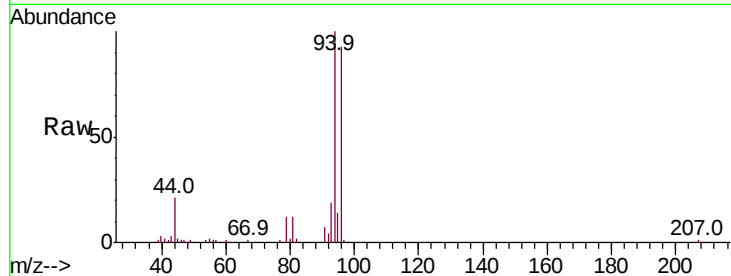
#5
Bromomethane
Concen: 20.903 ug/l m
RT: 2.54 min Scan# 239
Delta R.T. 0.01 min
Lab File: VN055794.D
Acq: 24 May 2019 14:27

Instrument :
MSVOA_N
ClientSampleId :
VN0524MBSD01

Tot Ion: 94 Resp: 49000
Ion Ratio Lower Upper
94 100
96 93.0 75.5 113.3

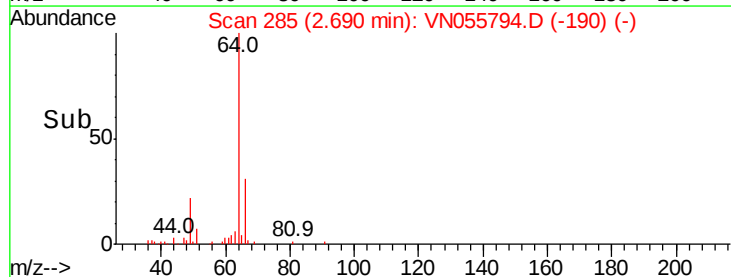
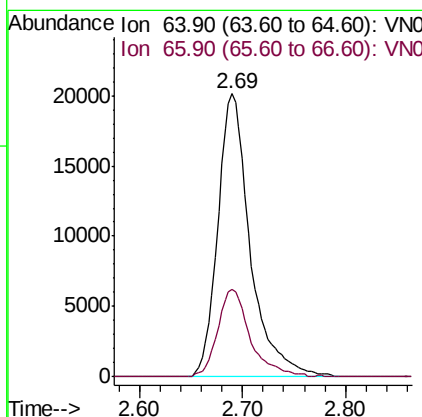
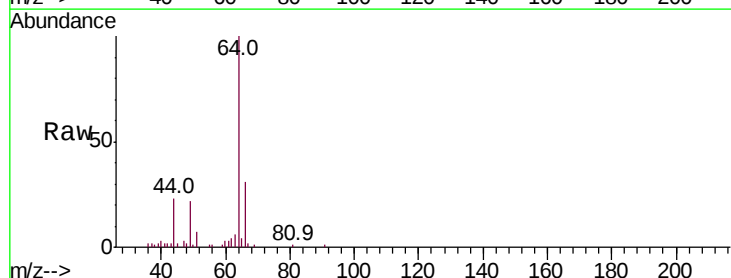
Manual Integrations
APPROVED

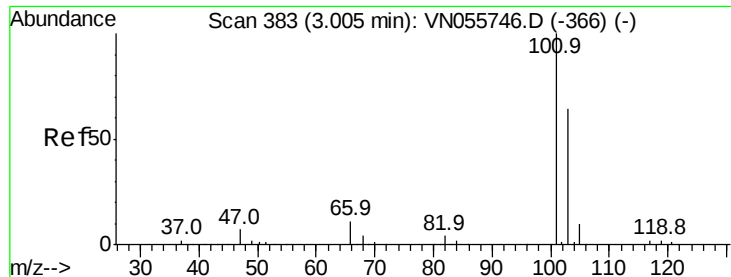
MMDadoda
5/28/2019 10:35:54 AM



#6
Chloroethane
Concen: 19.531 ug/l
RT: 2.69 min Scan# 285
Delta R.T. 0.01 min
Lab File: VN055794.D
Acq: 24 May 2019 14:27

Tgt Ion: 64 Resp: 44061
Ion Ratio Lower Upper
64 100
66 31.0 25.4 38.0





#7

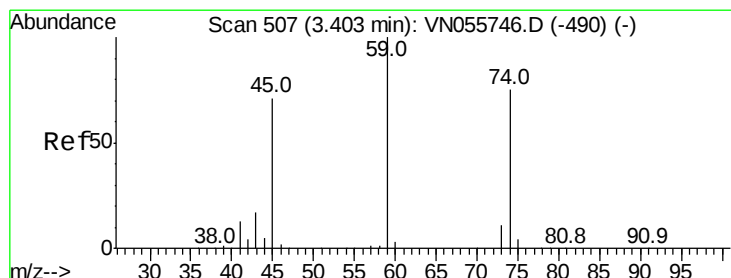
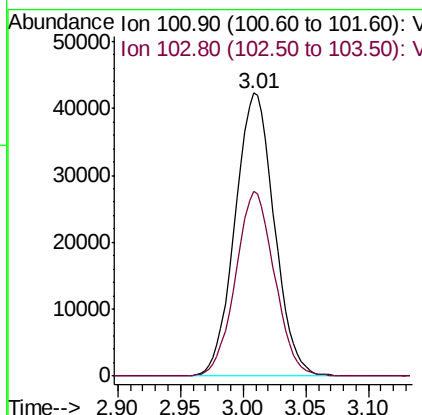
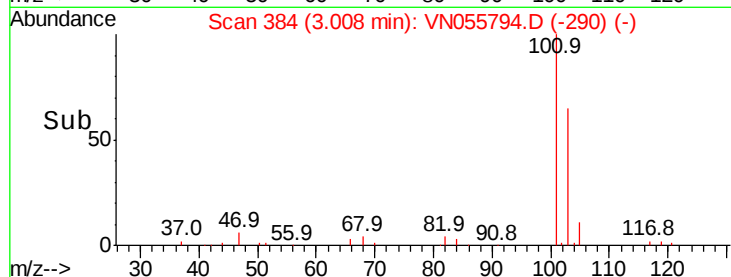
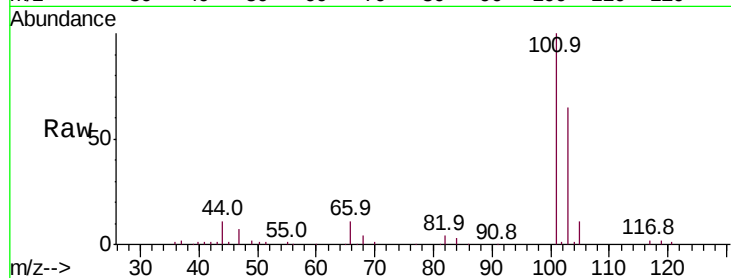
Trichlorofluoromethane
 Concen: 18.740 ug/l
 RT: 3.01 min Scan# 384
 Delta R.T. 0.00 min
 Lab File: VN055794.D
 Acq: 24 May 2019 14:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524MBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.3	51.2	76.8

Manual Integrations
 APPROVED

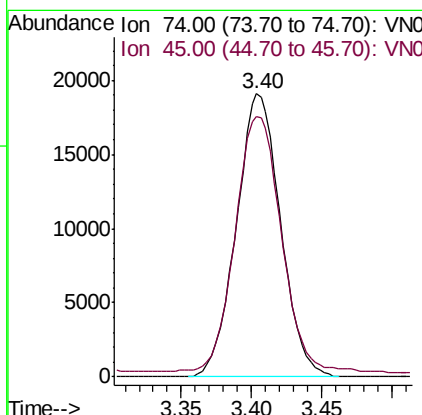
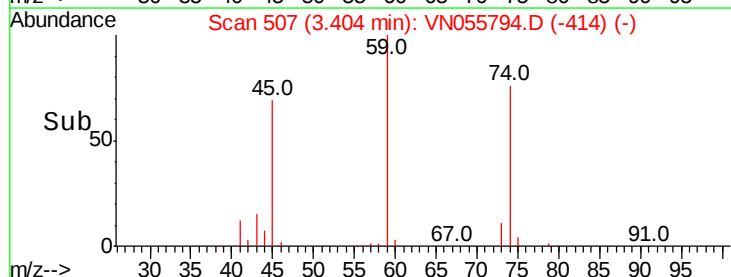
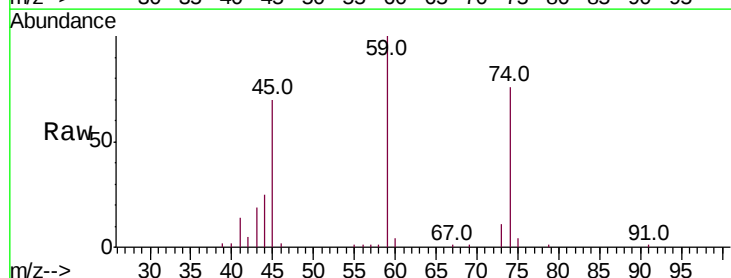
MMDadoda
 5/28/2019 10:35:54 AM

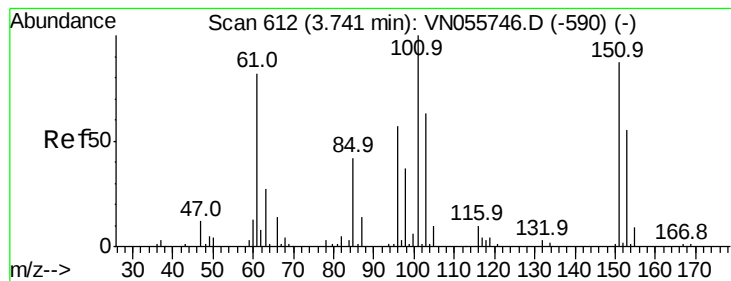


#8

Diethyl Ether
 Concen: 19.003 ug/l
 RT: 3.40 min Scan# 507
 Delta R.T. 0.00 min
 Lab File: VN055794.D
 Acq: 24 May 2019 14:27

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.3	48.6	145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.651 ug/l

RT: 3.74 min Scan# 613

Delta R.T. 0.00 min

Lab File: VN055794.D

Acq: 24 May 2019 14:27

Instrument :

MSVOA_N

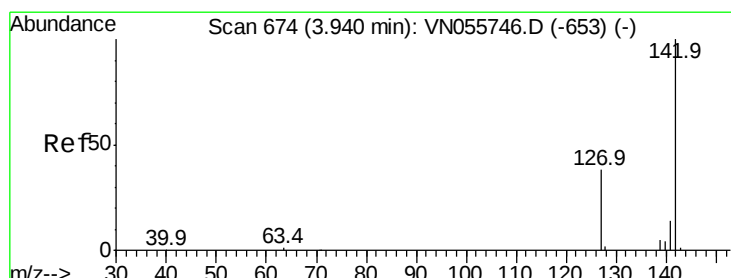
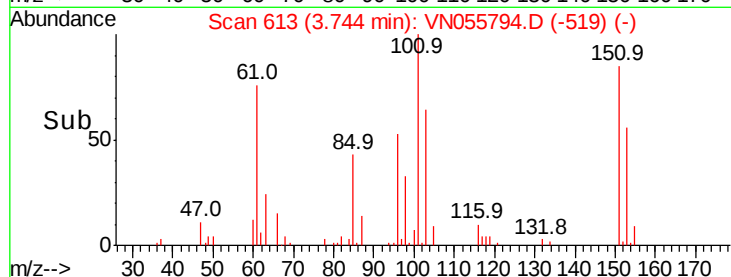
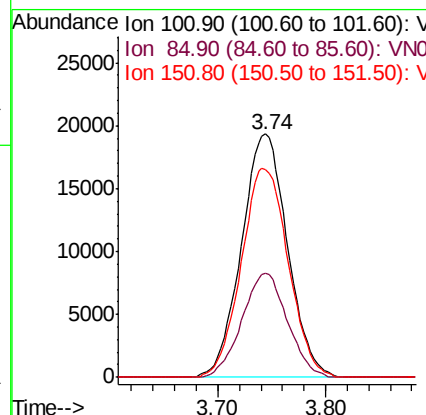
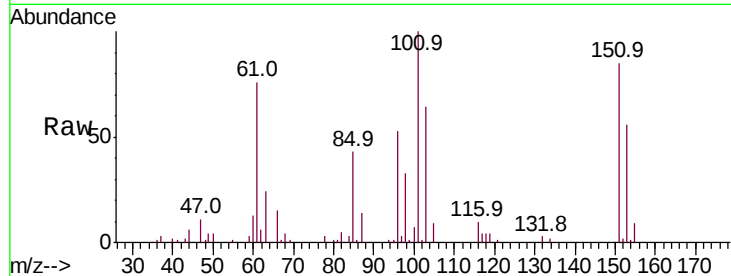
ClientSampleId :

VN0524MBSD01

Tot Ion:	101	Resp:	57193
Ion Ratio	Lower	Upper	
101	100		
85	42.4	33.4	50.2
151	87.9	69.4	104.2

Manual Integrations
APPROVED

MMDadoda
5/28/2019 10:35:54 AM



#10

Methyl Iodide

Concen: 19.828 ug/l

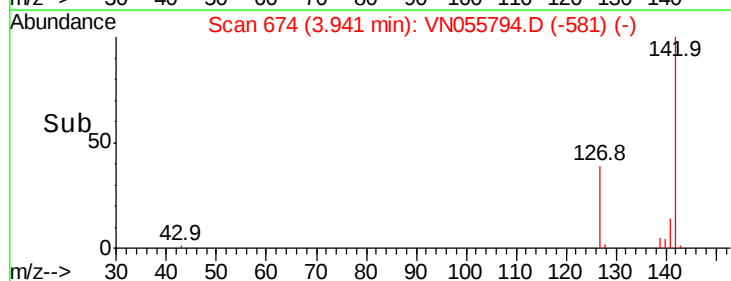
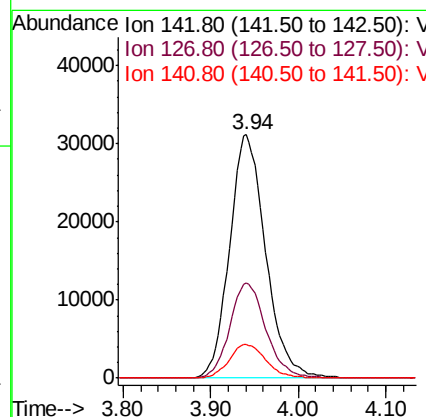
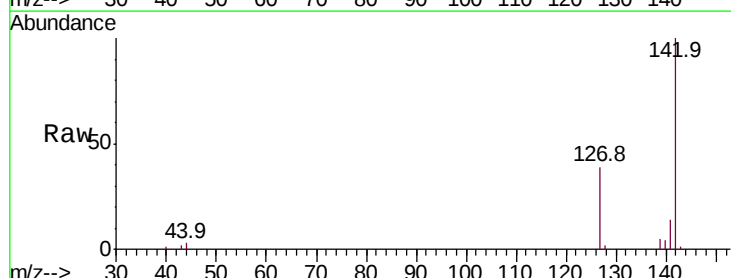
RT: 3.94 min Scan# 674

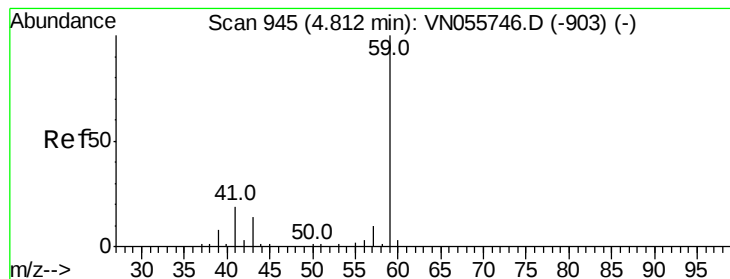
Delta R.T. 0.00 min

Lab File: VN055794.D

Acq: 24 May 2019 14:27

Tgt Ion:	142	Resp:	88895
Ion Ratio	Lower	Upper	
142	100		
127	39.1	31.0	46.4
141	14.1	11.4	17.0





#11

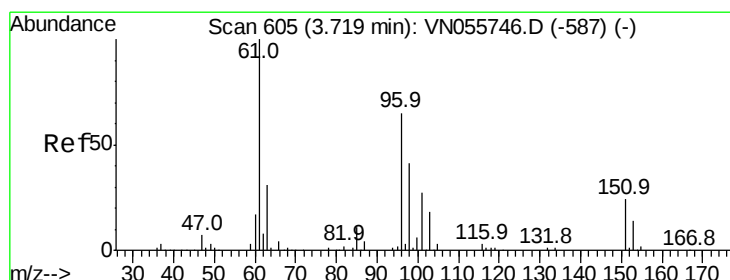
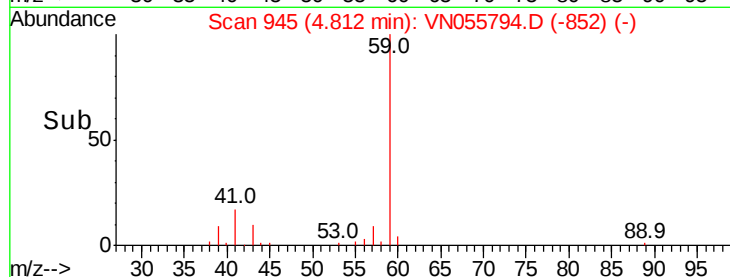
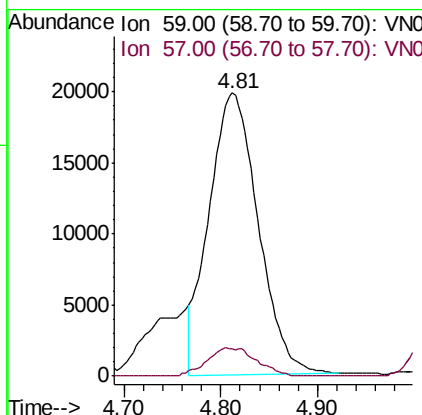
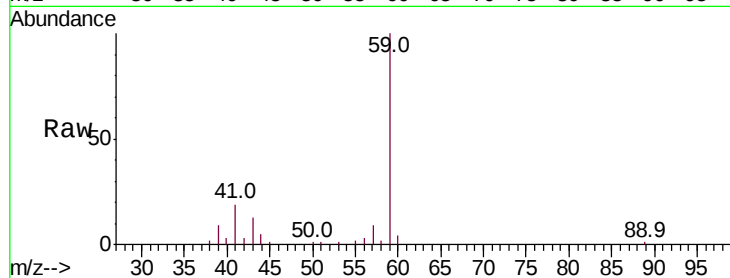
Tert butyl alcohol
 Concen: 95.683 ug/l
 RT: 4.81 min Scan# 945
 Delta R.T. 0.00 min
 Lab File: VN055794.D
 Acq: 24 May 2019 14:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524MBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.7	7.8	11.6#

Manual Integrations
 APPROVED

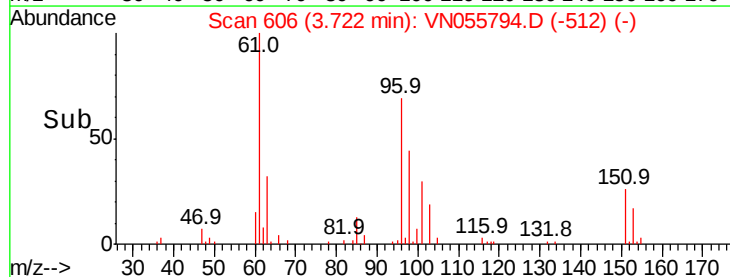
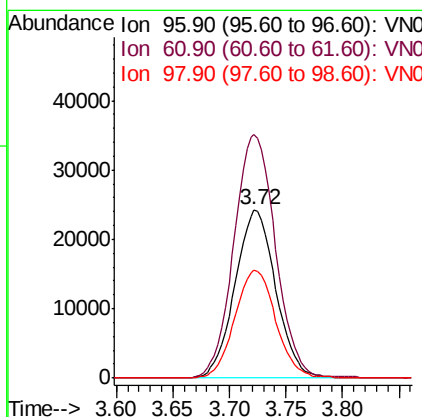
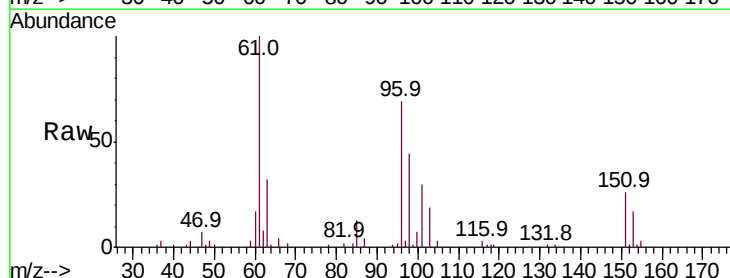
MMDadoda
 5/28/2019 10:35:54 AM

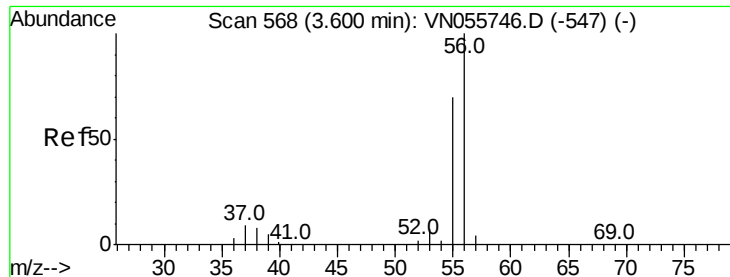


#12

1,1-Dichloroethene
 Concen: 19.206 ug/l
 RT: 3.72 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: VN055794.D
 Acq: 24 May 2019 14:27

Tgt Ion	Ratio	Lower	Upper
96	100		
61	144.8	123.2	184.8
98	64.0	50.4	75.6





#13

Acrolein

Concen: 81.391 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN055794.D

Acq: 24 May 2019 14:27

Instrument :

MSVOA_N

ClientSampleId :

VN0524MBSD01

Tot Ion: 56 Resp: 42843

Ion Ratio Lower Upper

56 100

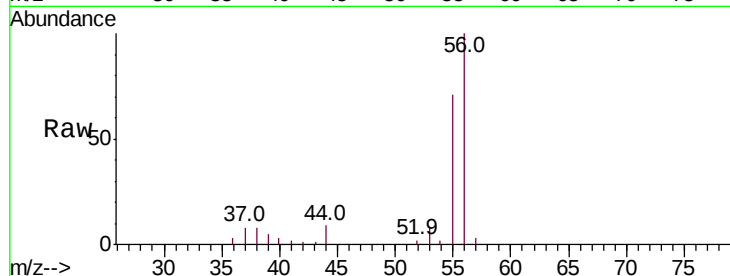
55 75.1 55.4 83.2

Manual Integrations

APPROVED

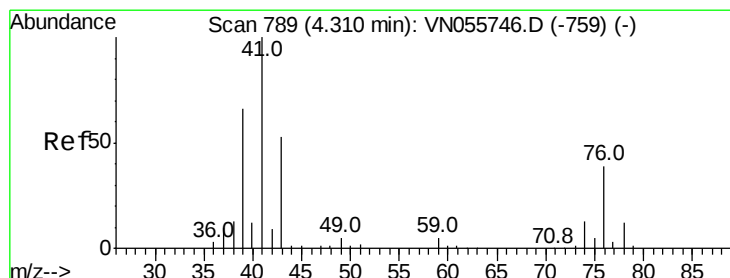
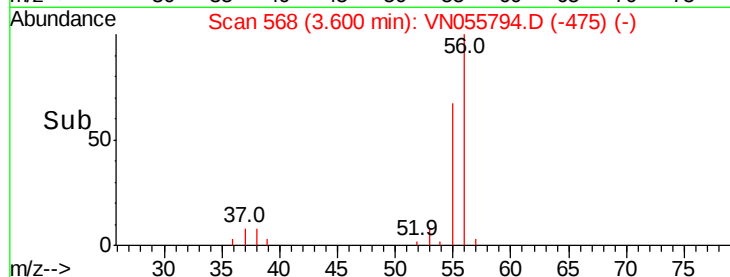
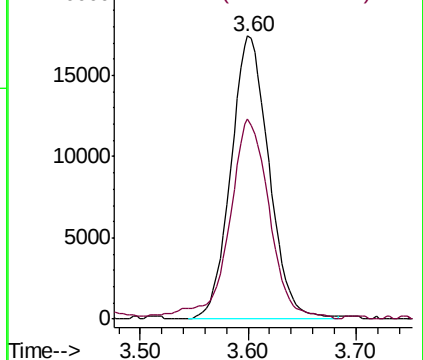
MMDadoda

5/28/2019 10:35:54 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 18.875 ug/l

RT: 4.31 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN055794.D

Acq: 24 May 2019 14:27

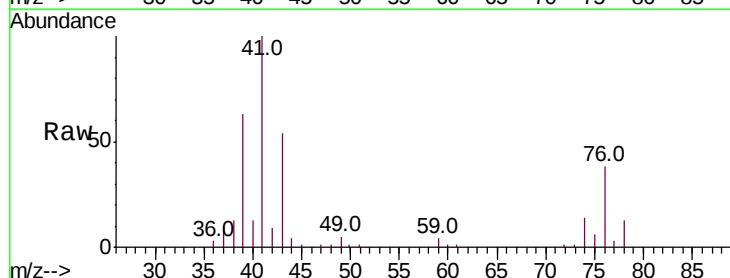
Tgt Ion: 41 Resp: 102526

Ion Ratio Lower Upper

41 100

39 60.4 50.0 75.0

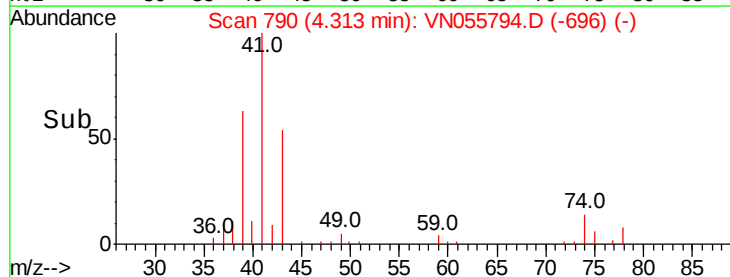
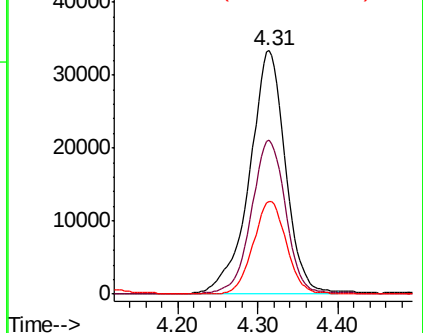
76 35.0 28.2 42.2



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





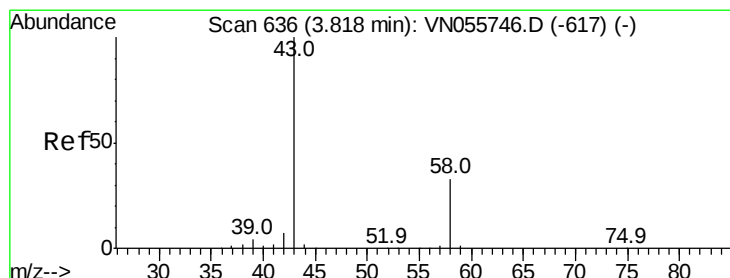
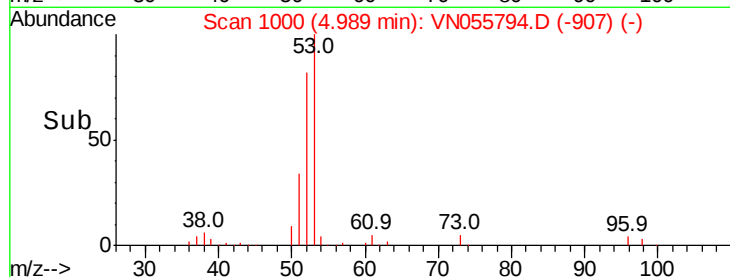
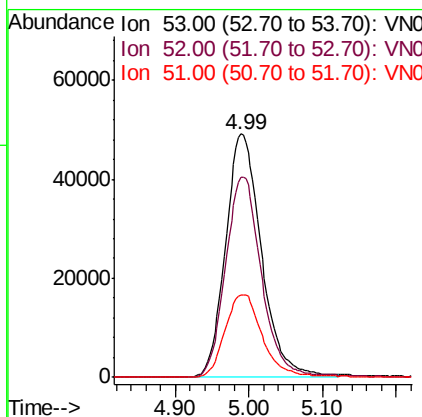
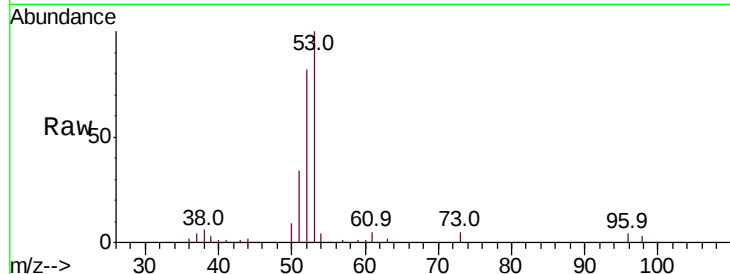
#15
 Acrylonitrile
 Concen: 98.745 ug/l
 RT: 4.99 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: VN055794.D
 Acq: 24 May 2019 14:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524MBSD01

Tot Ion	Ratio	Lower	Upper
53	100		
52	81.9	65.8	98.8
51	35.5	28.2	42.4

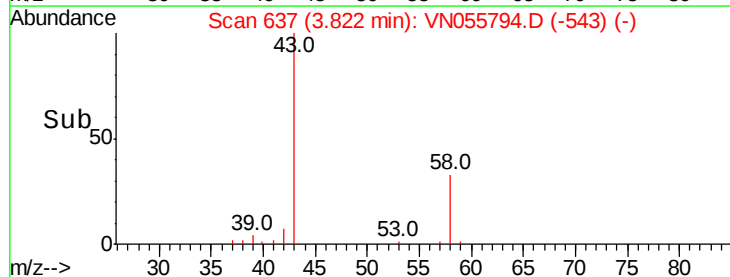
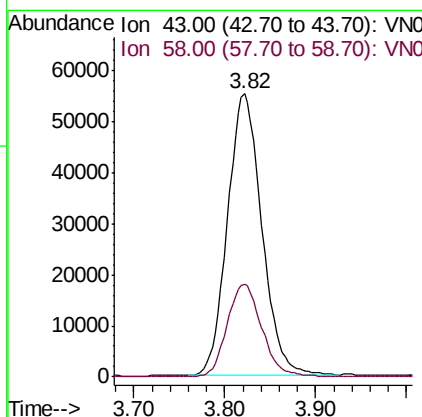
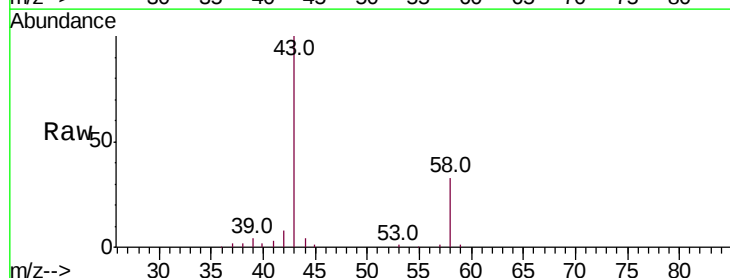
Manual Integrations
 APPROVED

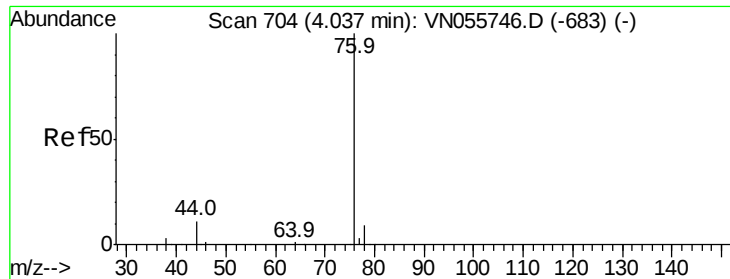
MMDadoda
 5/28/2019 10:35:54 AM



#16
 Acetone
 Concen: 85.670 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. 0.00 min
 Lab File: VN055794.D
 Acq: 24 May 2019 14:27

Tgt Ion	Ratio	Lower	Upper
43	100		
58	33.1	26.6	39.8





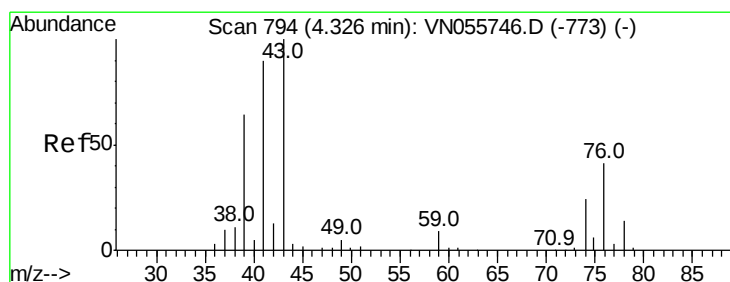
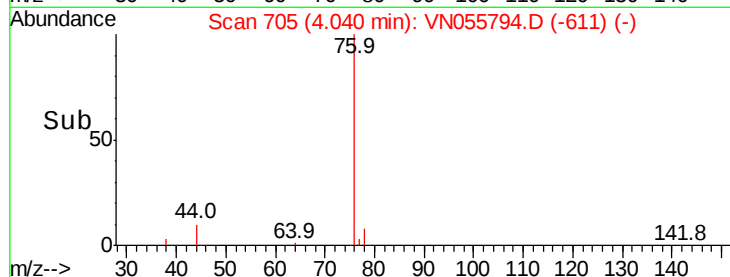
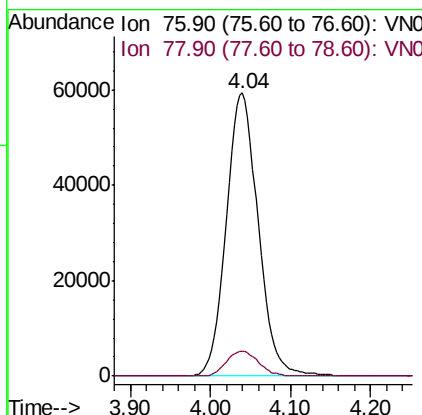
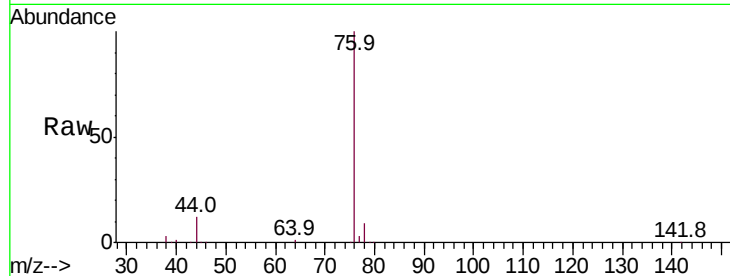
#17
Carbon Disulfide
Concen: 17.971 ug/l
RT: 4.04 min Scan# 705
Delta R.T. 0.00 min
Lab File: VN055794.D
Acq: 24 May 2019 14:27

Instrument :
MSVOA_N
ClientSampleId :
VN0524MBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.4	11.2

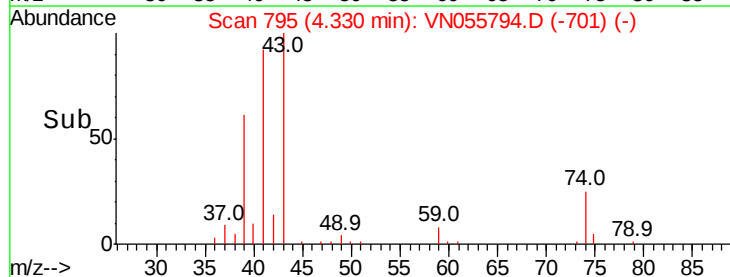
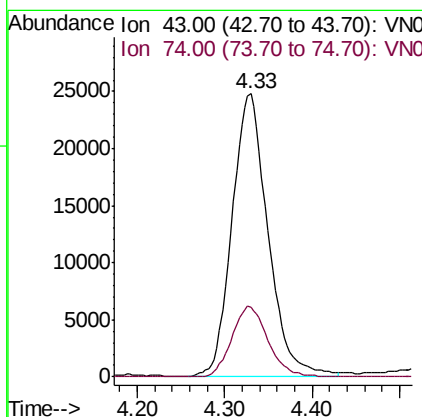
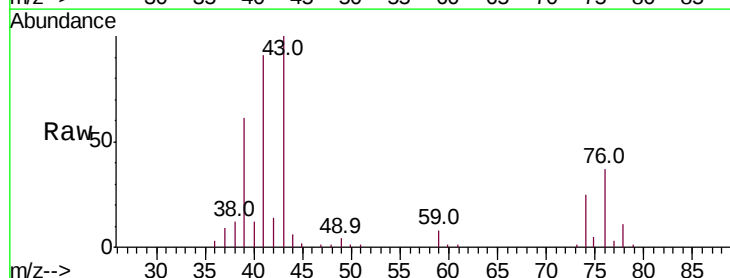
Manual Integrations
APPROVED

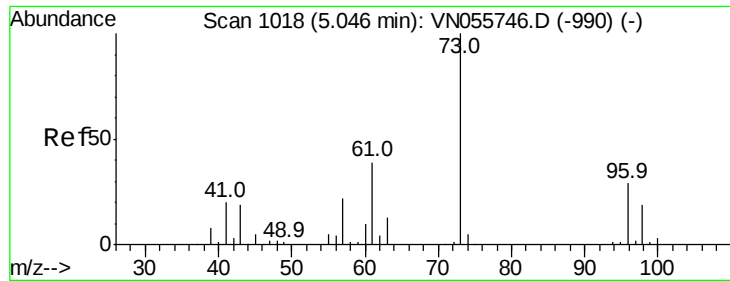
MMDadoda
5/28/2019 10:35:54 AM



#18
Methyl Acetate
Concen: 19.860 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN055794.D
Acq: 24 May 2019 14:27

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.9	19.3	28.9





#19

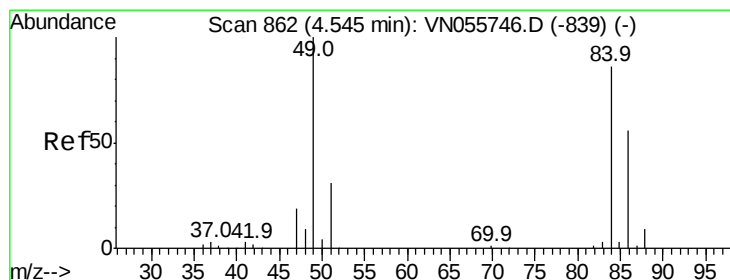
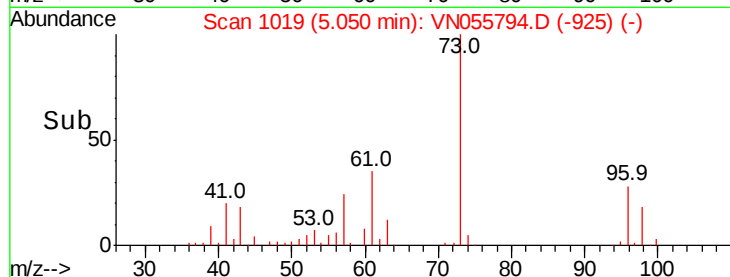
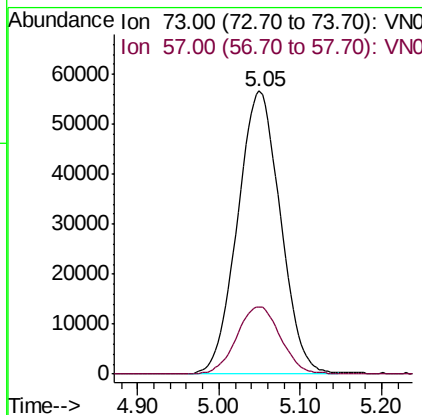
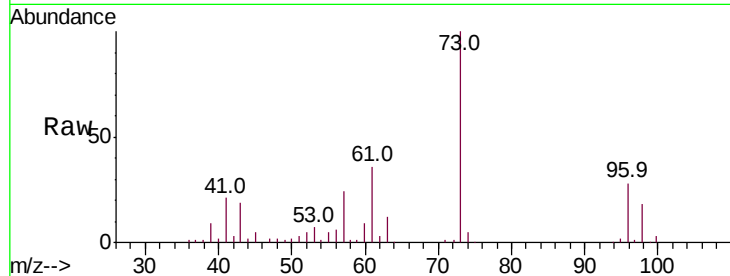
Methyl tert-butyl Ether
 Concen: 19.557 ug/l
 RT: 5.05 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VN055794.D
 Acq: 24 May 2019 14:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524MBSD01

Tot Ion: 73 Resp: 206673
 Ion Ratio Lower Upper
 73 100
 57 23.8 17.8 26.8

Manual Integrations
 APPROVED

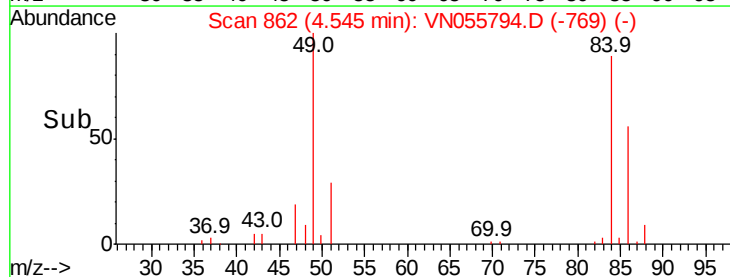
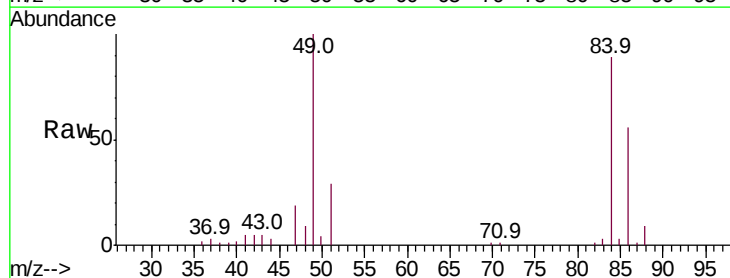
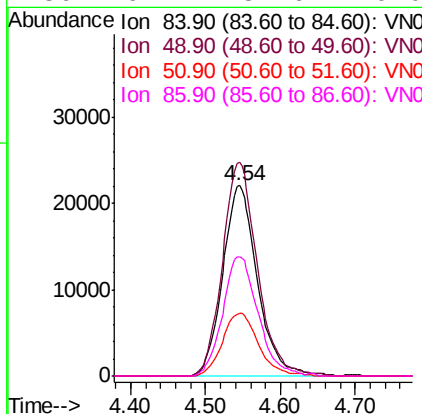
MMDadoda
 5/28/2019 10:35:54 AM

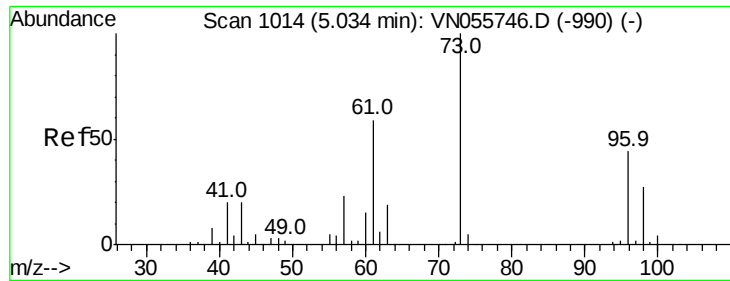


#20

Methylene Chloride
 Concen: 19.385 ug/l
 RT: 4.54 min Scan# 862
 Delta R.T. 0.00 min
 Lab File: VN055794.D
 Acq: 24 May 2019 14:27

Tgt Ion: 84 Resp: 71004
 Ion Ratio Lower Upper
 84 100
 49 112.2 93.5 140.3
 51 32.9 28.6 43.0
 86 62.7 52.6 79.0





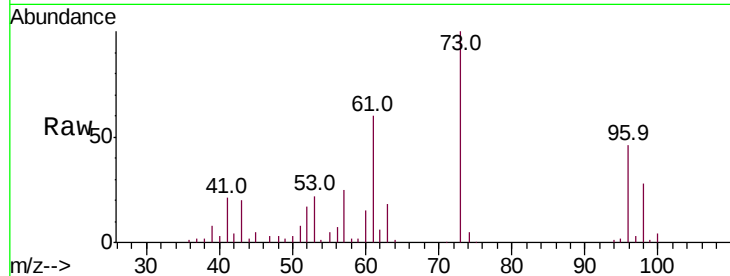
#21
trans-1,2-Dichloroethene
Concen: 19.399 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VN055794.D
Acq: 24 May 2019 14:27

Instrument :
MSVOA_N
ClientSampled :
VN0524MBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	131.2	107.8	161.8
98	61.4	49.8	74.8

Manual Integrations
APPROVED

MMDadoda
5/28/2019 10:35:54 AM

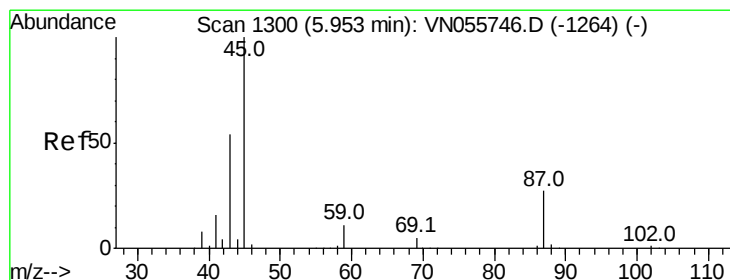
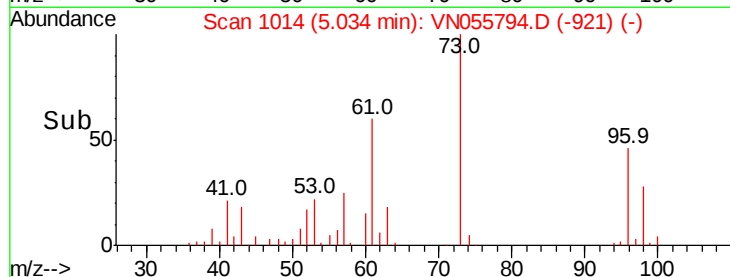
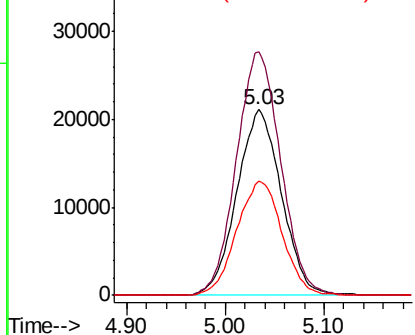


Abundance

Ion 95.90 (95.60 to 96.60): VN055794.D (-1207) (-)

Ion 60.90 (60.60 to 61.60): VN055794.D (-1207) (-)

Ion 97.90 (97.60 to 98.60): VN055794.D (-1207) (-)



#22
Diisopropyl ether
Concen: 19.237 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN055794.D
Acq: 24 May 2019 14:27

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.8	45.0	67.6
87	28.5	22.2	33.4
59	11.6	9.1	13.7

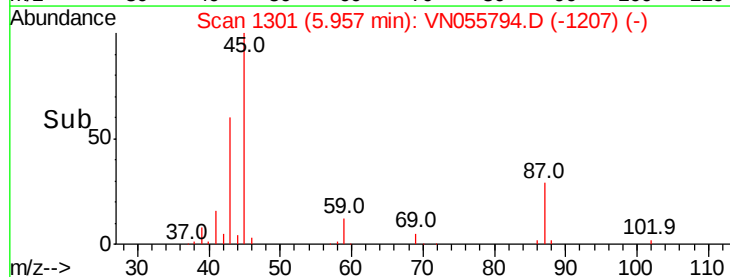
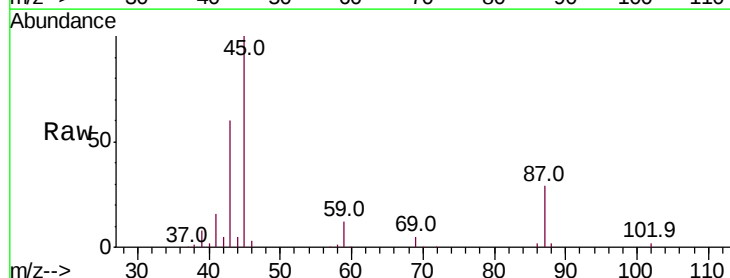
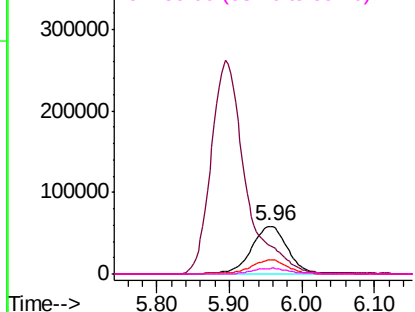
Abundance

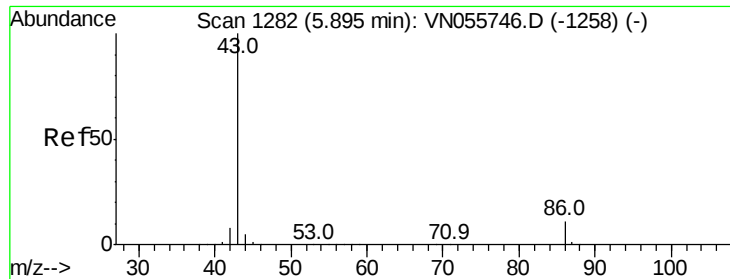
Ion 45.00 (44.70 to 45.70): VN055794.D (-1207) (-)

Ion 43.00 (42.70 to 43.70): VN055794.D (-1207) (-)

Ion 87.00 (86.70 to 87.70): VN055794.D (-1207) (-)

Ion 59.00 (58.70 to 59.70): VN055794.D (-1207) (-)





#23

Vinyl Acetate

Concen: 95.342 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN055794.D

Acq: 24 May 2019 14:27

Instrument :

MSVOA_N

ClientSampleId :

VN0524MBSD01

Tot Ion: 43 Resp: 863599

Ion Ratio Lower Upper

43 100

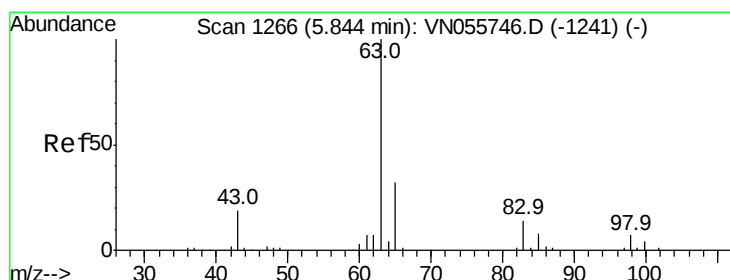
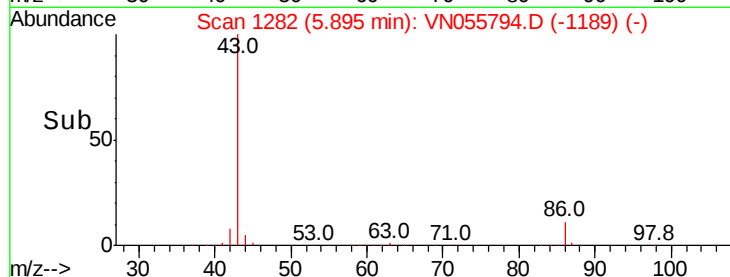
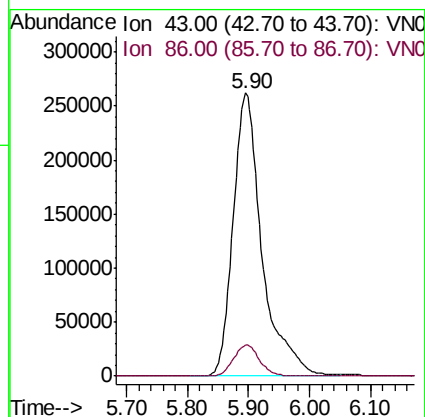
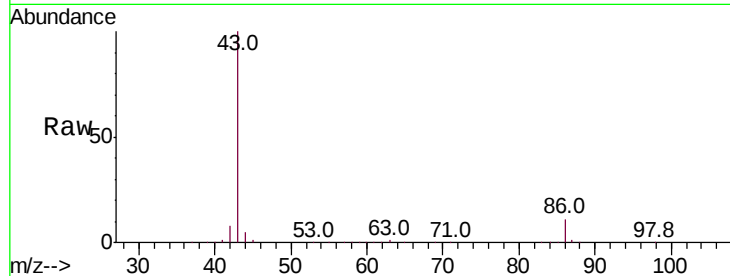
86 10.8 8.6 13.0

Manual Integrations

APPROVED

MMDadoda

5/28/2019 10:35:54 AM



#24

1,1-Dichloroethane

Concen: 19.121 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VN055794.D

Acq: 24 May 2019 14:27

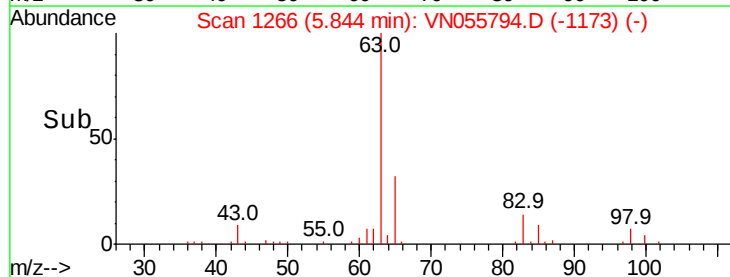
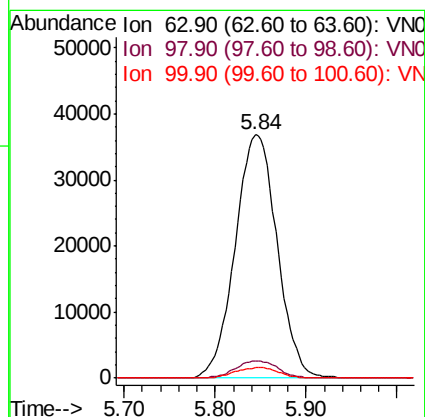
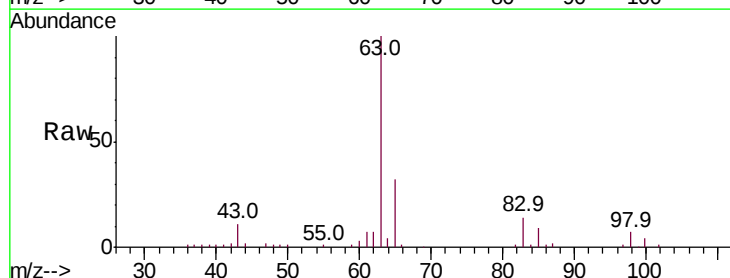
Tgt Ion: 63 Resp: 117616

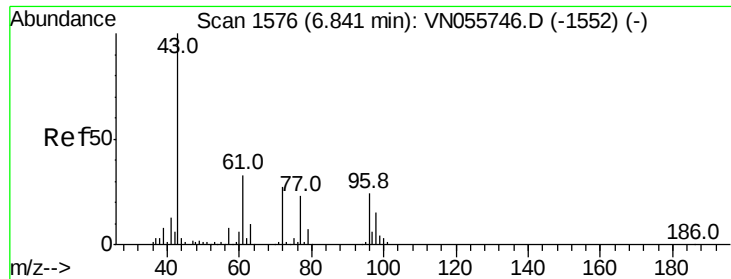
Ion Ratio Lower Upper

63 100

98 7.0 3.4 10.1

100 4.3 2.2 6.6





#25

2-Butanone

Concen: 94.231 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. 0.00 min

Lab File: VN055794.D

Acq: 24 May 2019 14:27

Instrument :

MSVOA_N

ClientSampleId :

VN0524MBSD01

Tot Ion: 43 Resp: 222574

Ion Ratio Lower Upper

43 100

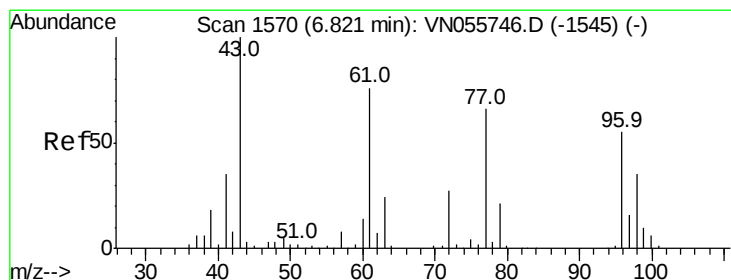
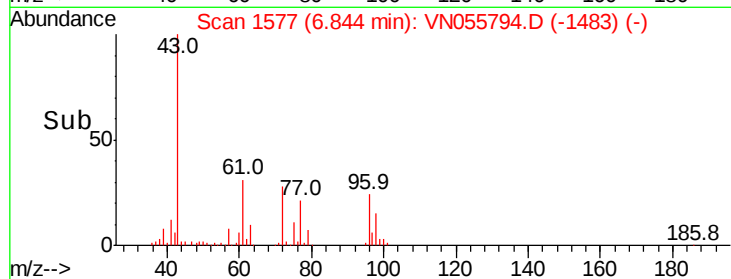
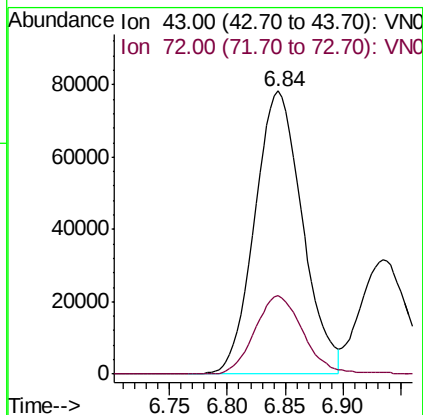
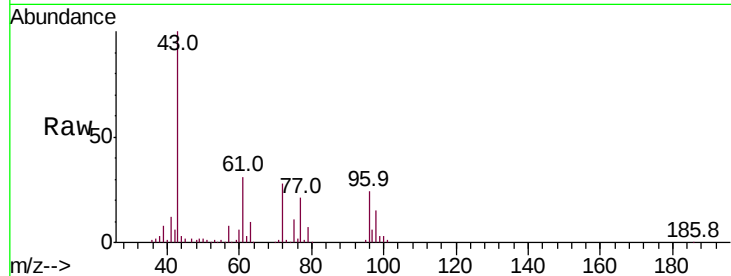
72 27.7 21.9 32.9

Manual Integrations

APPROVED

MMDadoda

5/28/2019 10:35:54 AM



#26

2,2-Dichloropropane

Concen: 17.405 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. 0.00 min

Lab File: VN055794.D

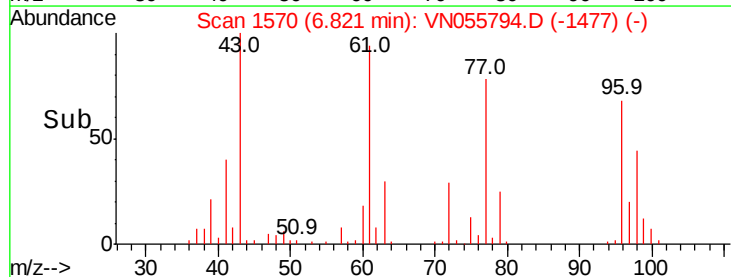
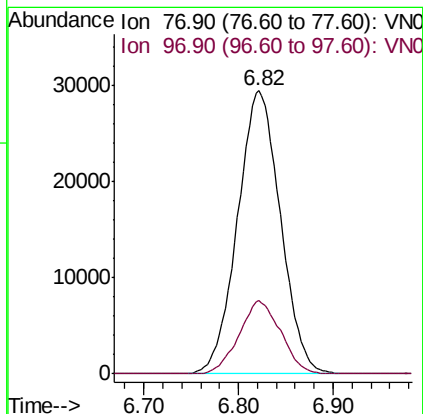
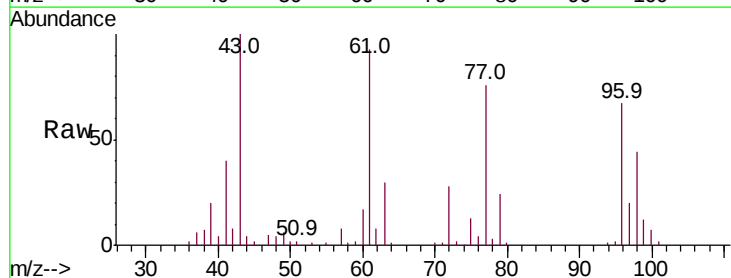
Acq: 24 May 2019 14:27

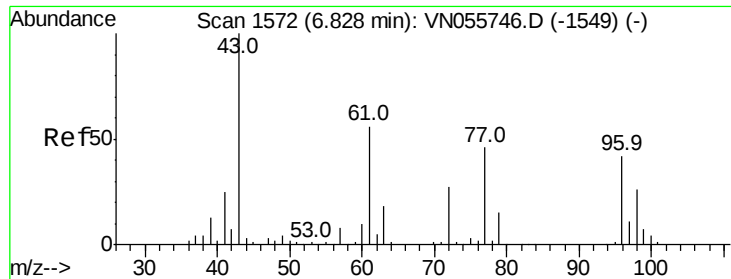
Tgt Ion: 77 Resp: 92654

Ion Ratio Lower Upper

77 100

97 25.1 12.2 36.6





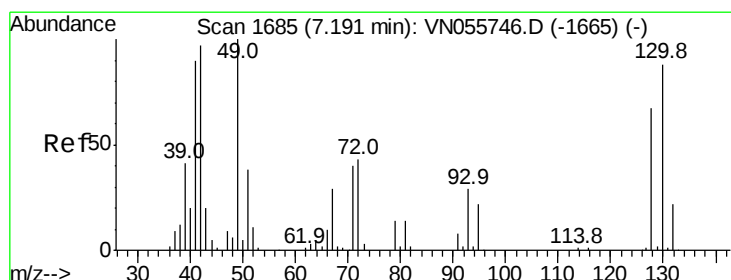
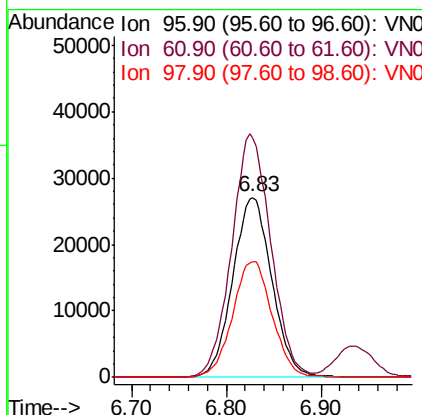
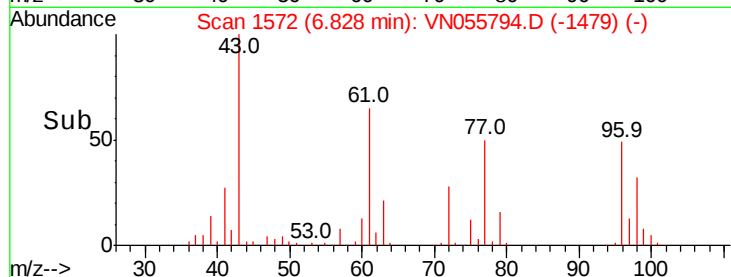
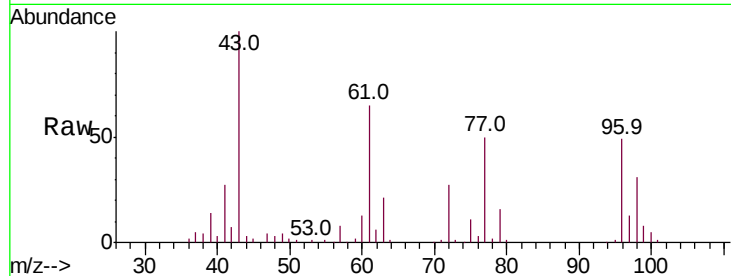
#27
 cis-1,2-Dichloroethene
 Concen: 19.637 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN055794.D
 Acq: 24 May 2019 14:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524MBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	135.2	0.0	275.8
98	65.0	0.0	128.4

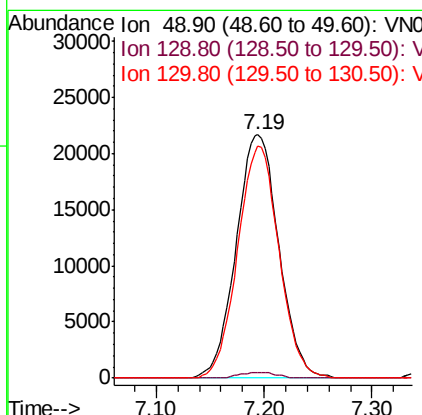
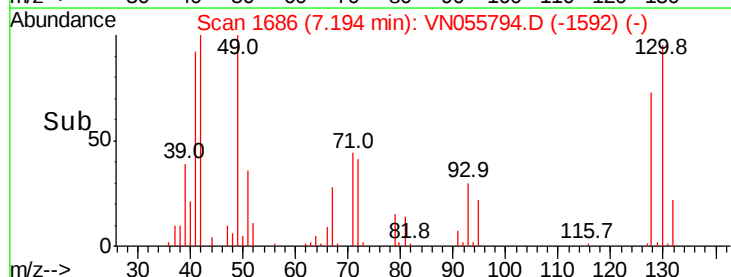
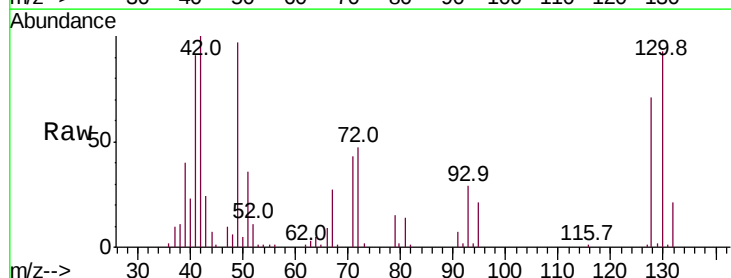
Manual Integrations
 APPROVED

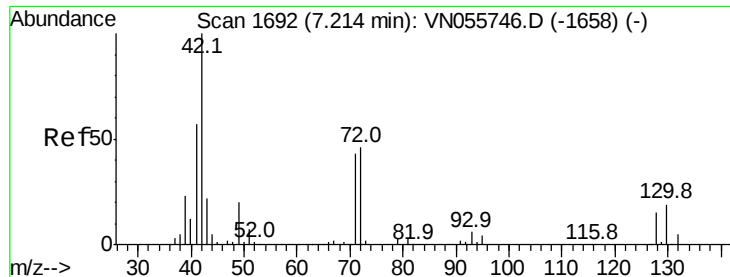
MMDadoda
 5/28/2019 10:35:54 AM



#28
 Bromochloromethane
 Concen: 20.318 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. 0.00 min
 Lab File: VN055794.D
 Acq: 24 May 2019 14:27

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.4
130	92.3	71.2	106.8





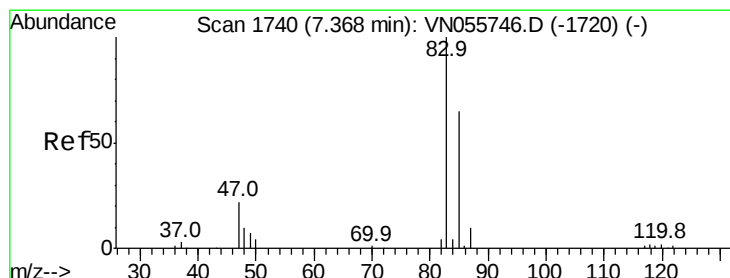
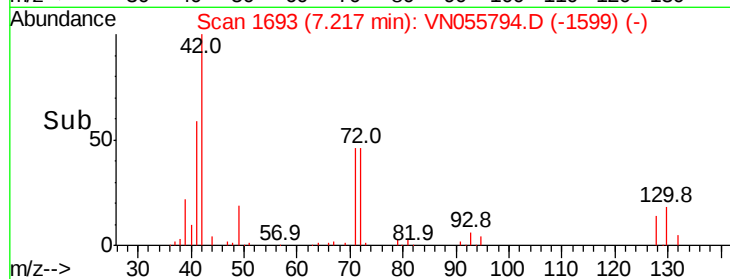
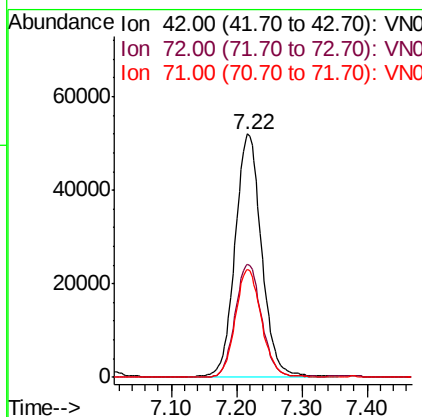
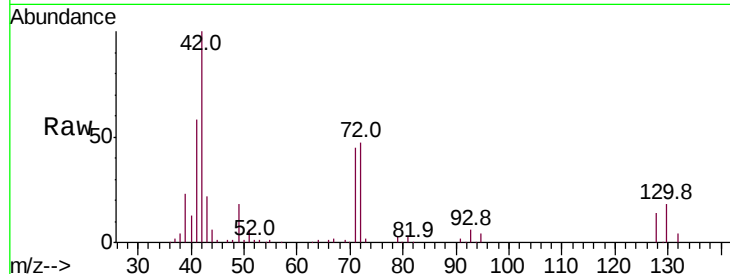
#29
Tetrahydrofuran
Concen: 98.574 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN055794.D
Acq: 24 May 2019 14:27

Instrument :
MSVOA_N
ClientSampleId :
VN0524MBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.9	35.9	53.9
71	43.4	34.0	51.0

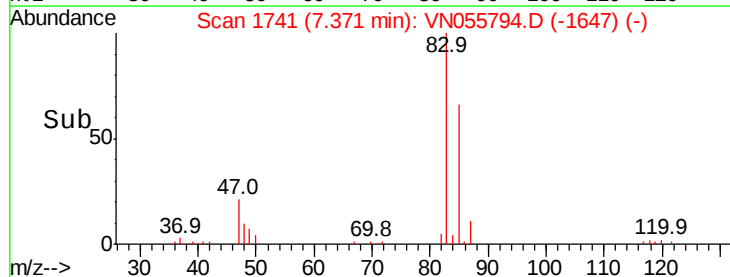
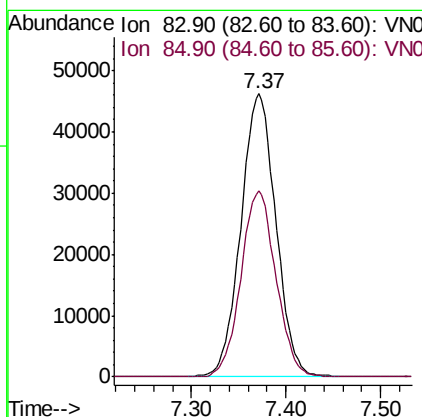
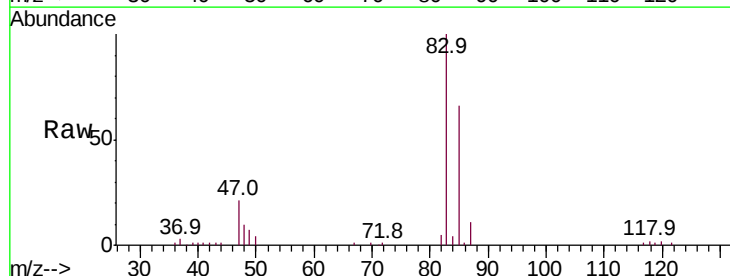
Manual Integrations
APPROVED

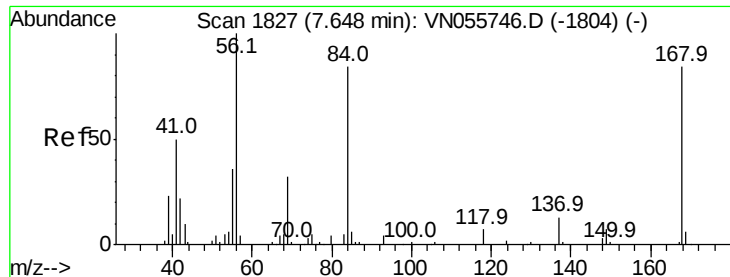
MMDadoda
5/28/2019 10:35:54 AM



#30
Chloroform
Concen: 19.372 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055794.D
Acq: 24 May 2019 14:27

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	51.8	77.8





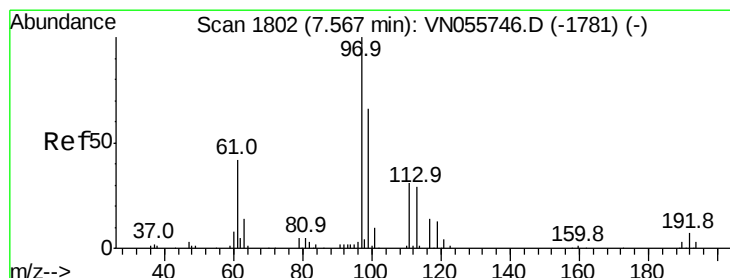
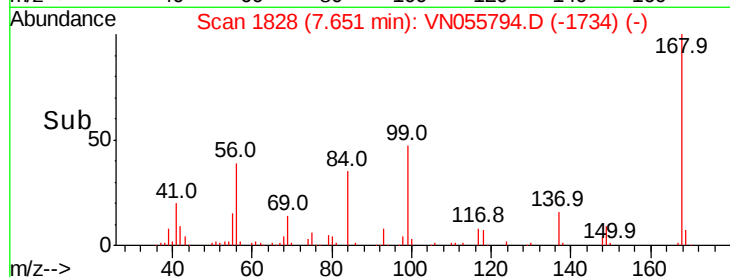
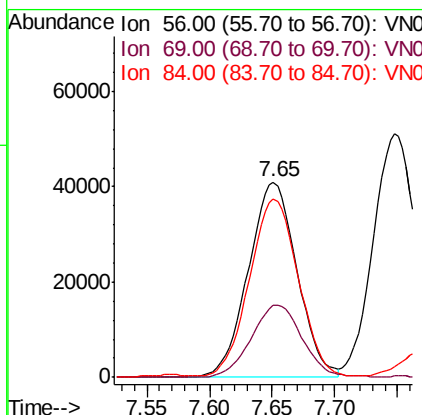
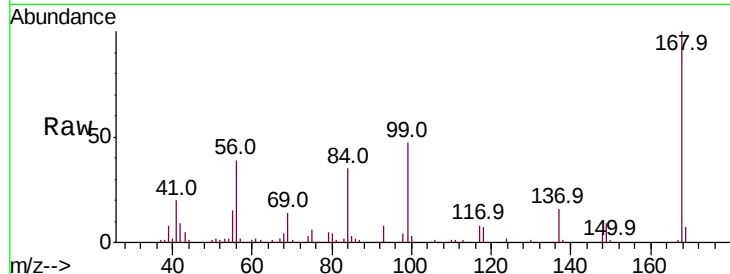
#31
Cyclohexane
Concen: 19.184 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN055794.D
Acq: 24 May 2019 14:27

Instrument :
MSVOA_N
ClientSampled :
VN0524MBSD01

Tot Ion	56	Ratio	100	Resp	110785
Ion	56	100		Lower	Upper
	69	36.8		25.6	38.4
	84	90.1		67.4	101.0

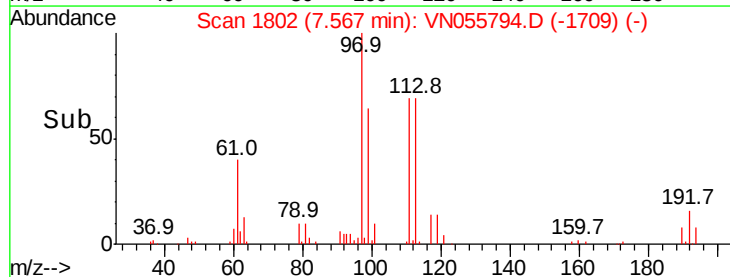
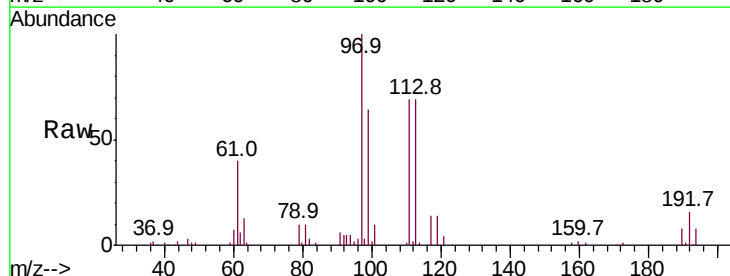
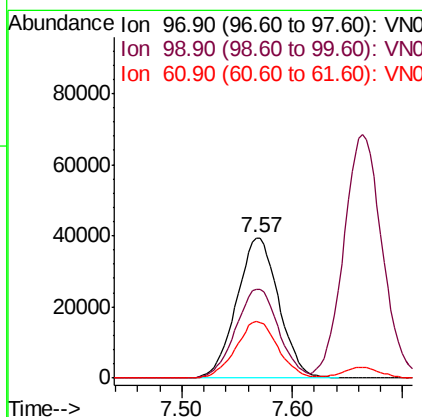
Manual Integrations
APPROVED

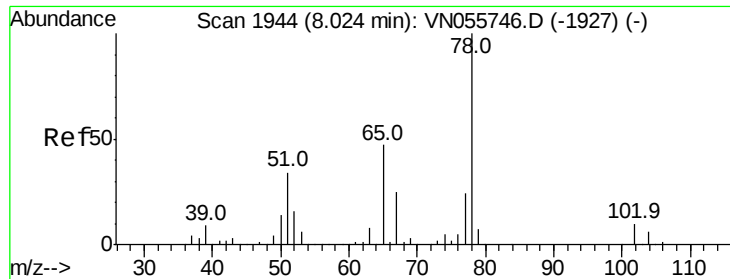
MMDadoda
5/28/2019 10:35:54 AM



#32
1,1,1-Trichloroethane
Concen: 19.036 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN055794.D
Acq: 24 May 2019 14:27

Tgt Ion	97	Ratio	100	Resp	104203
Ion	97	100		Lower	Upper
	99	64.9		52.0	78.0
	61	40.5		32.9	49.3





#33

1,2-Dichloroethane-d4

Concen: 49.281 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN055794.D

Acq: 24 May 2019 14:27

Instrument :

MSVOA_N

ClientSampleId :

VN0524MBSD01

Tot Ion: 65 Resp: 189610

Ion Ratio Lower Upper

65 100

67 54.8

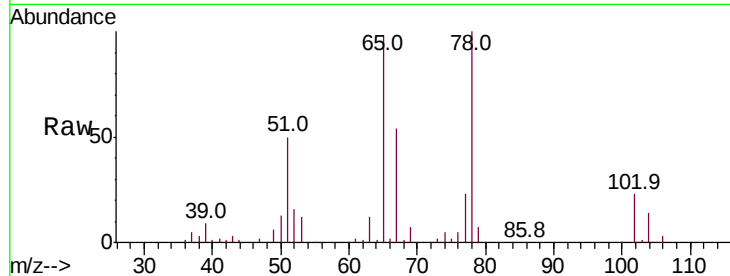
0.0 109.2

Manual Integrations

APPROVED

MMDadoda

5/28/2019 10:35:54 AM



Abundance Ion 64.90 (64.60 to 65.60): VN055794.D (-1927) (-)

Ion 66.90 (66.60 to 67.60): VN055794.D (-1927) (-)

8.03

80000

60000

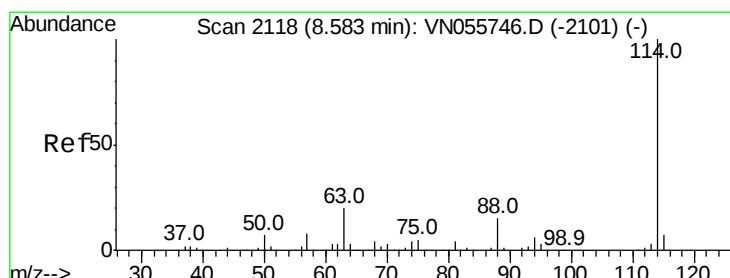
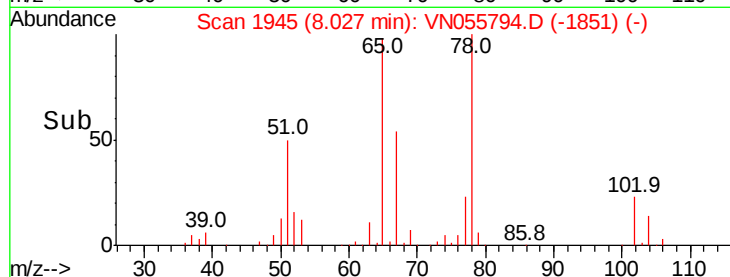
40000

20000

0

7.95 8.00 8.05 8.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN055794.D

Acq: 24 May 2019 14:27

Tgt Ion:114 Resp: 535420

Ion Ratio Lower Upper

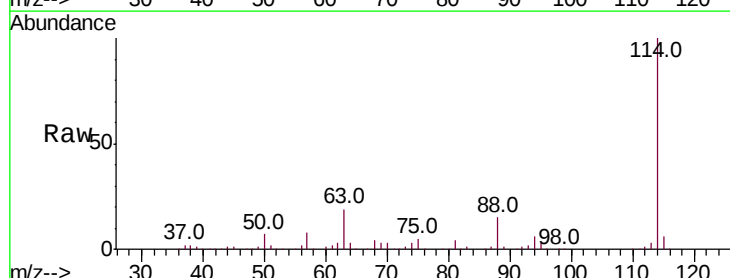
114 100

63 18.7

88 15.1

0.0 39.2

0.0 31.0



Abundance Ion 113.90 (113.60 to 114.60): VN055794.D (-2101) (-)

Ion 63.00 (62.70 to 63.70): VN055794.D (-2101) (-)

Ion 87.90 (87.60 to 88.60): VN055794.D (-2101) (-)

8.59

300000

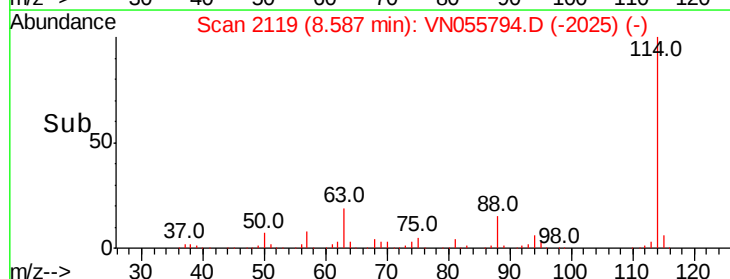
200000

100000

0

8.50 8.60 8.70 8.80

Time-->





#35

Dibromofluoromethane

Concen: 50.771 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN055794.D

Acq: 24 May 2019 14:27

Instrument :

MSVOA_N

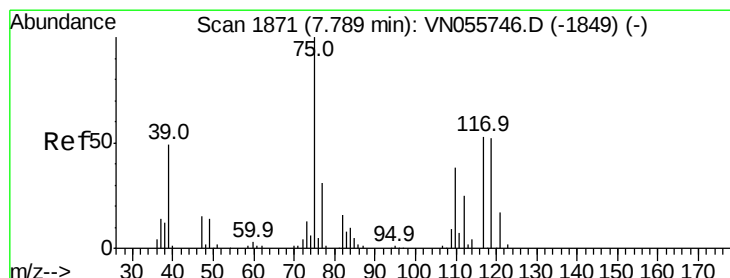
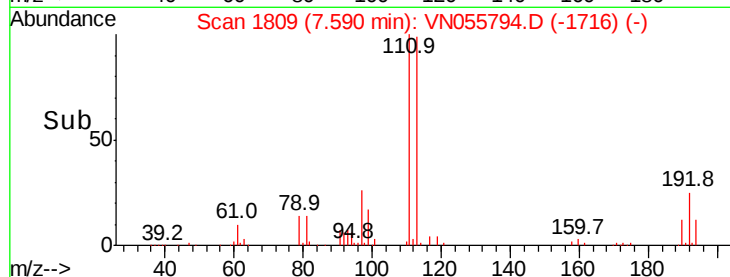
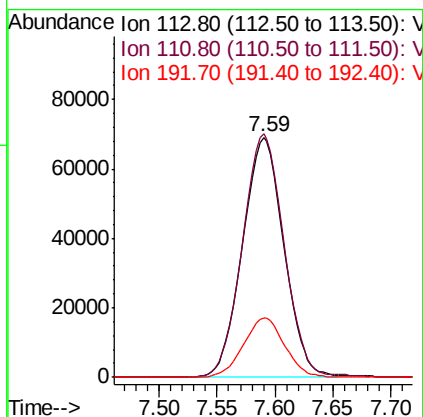
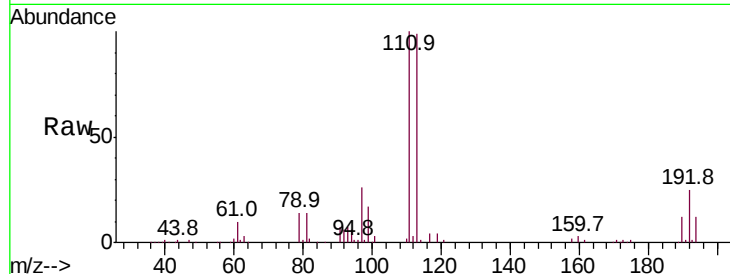
ClientSampleId :

VN0524MBSD01

Tot Ion:	113	Resp:	171866
Ion Ratio	Lower	Upper	
113	100		
111	102.4	81.9	122.9
192	24.7	19.5	29.3

Manual Integrations
APPROVED

MMDadoda
5/28/2019 10:35:54 AM



#36

1,1-Dichloropropene

Concen: 18.707 ug/l

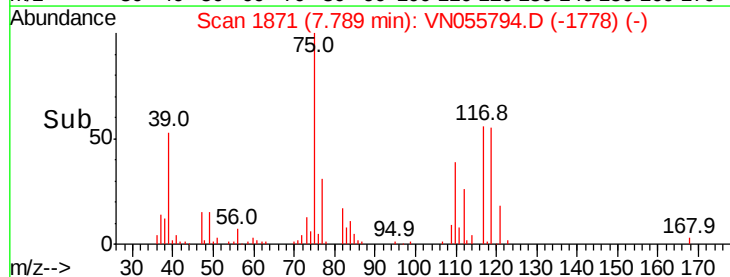
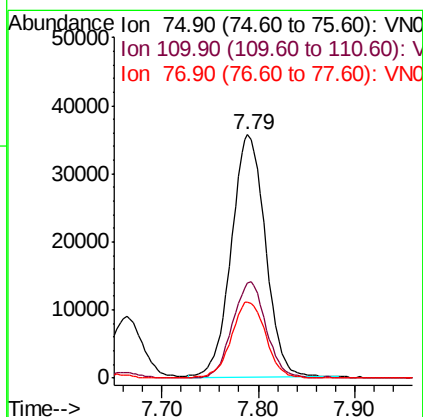
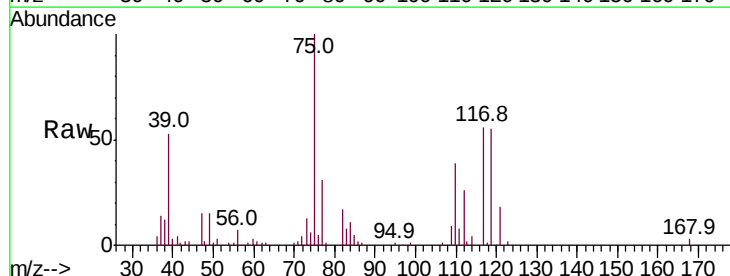
RT: 7.79 min Scan# 1871

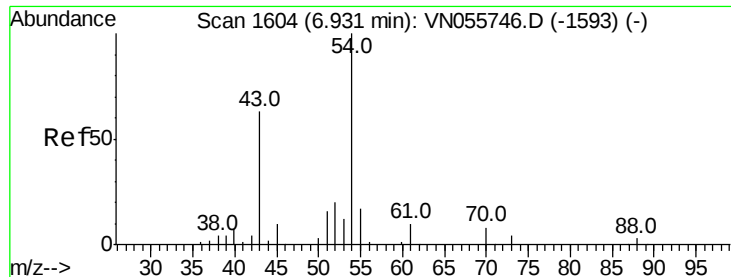
Delta R.T. 0.00 min

Lab File: VN055794.D

Acq: 24 May 2019 14:27

Tgt Ion:	75	Resp:	87287
Ion Ratio	Lower	Upper	
75	100		
110	38.9	19.0	57.0
77	31.7	25.1	37.7





#37

Ethyl Acetate

Concen: 20.281 ug/l

RT: 6.93 min Scan# 1605

Delta R.T. 0.00 min

Lab File: VN055794.D

Acq: 24 May 2019 14:27

Instrument :

MSVOA_N

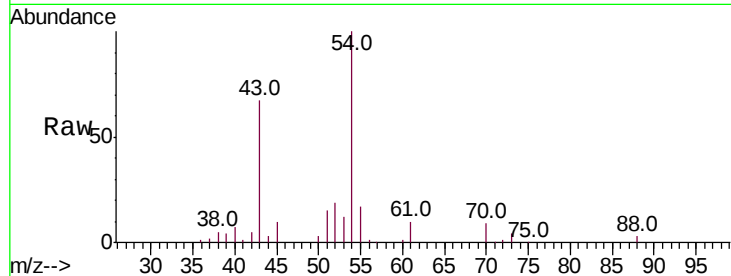
ClientSampled :

VN0524MBSD01

Tot Ion:	43	Resp:	91459
Ion	Ratio	Lower	Upper
43	100		
61	14.9	12.2	18.2
70	11.4	8.9	13.3

Manual Integrations
APPROVED

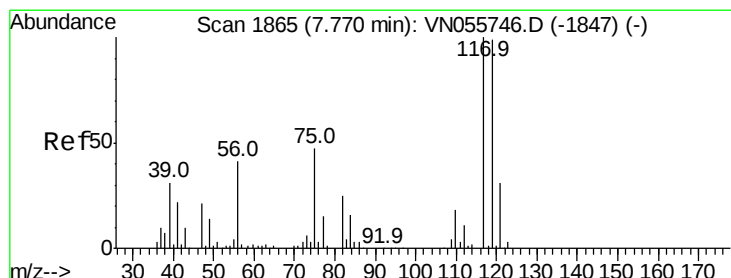
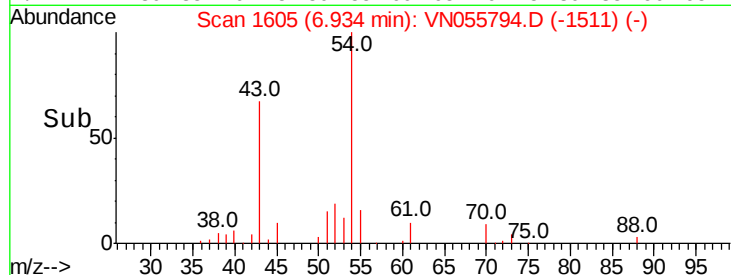
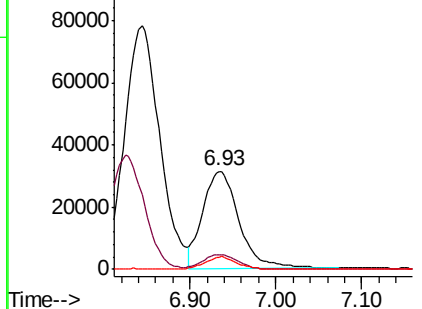
MMDadoda
5/28/2019 10:35:54 AM



Abundance Ion 43.00 (42.70 to 43.70): VN055794.D (-1604) (-)

Ion 60.90 (60.60 to 61.60): VN055794.D (-1604) (-)

Ion 70.00 (69.70 to 70.70): VN055794.D (-1604) (-)



#38

Carbon Tetrachloride

Concen: 18.885 ug/l

RT: 7.77 min Scan# 1865

Delta R.T. 0.00 min

Lab File: VN055794.D

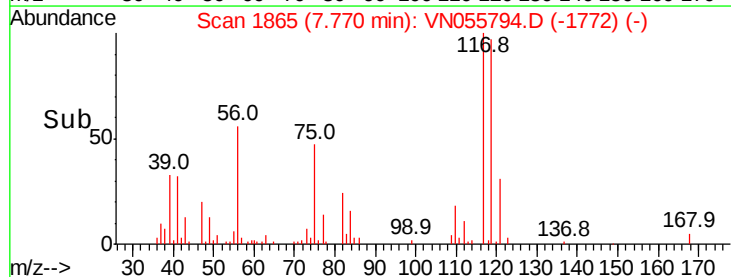
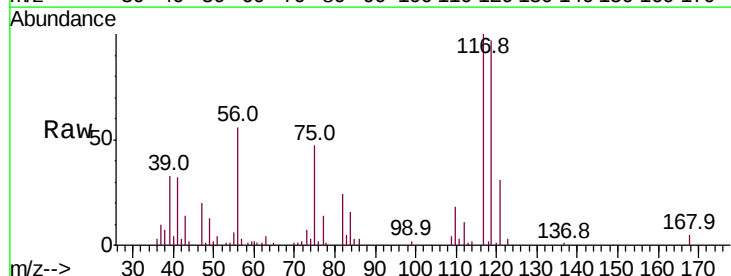
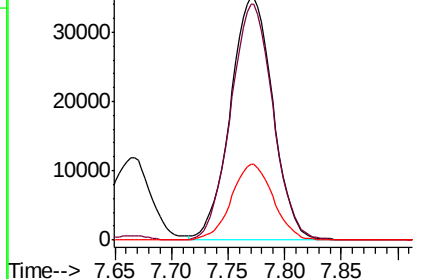
Acq: 24 May 2019 14:27

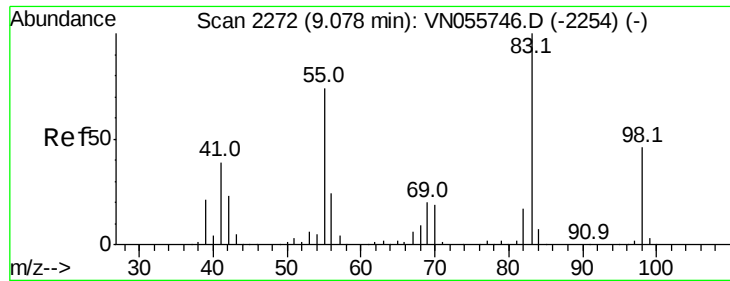
Tgt Ion:	117	Resp:	91784
Ion	Ratio	Lower	Upper
117	100		
119	96.8	79.0	118.6
121	31.2	24.7	37.1

Abundance Ion 116.80 (116.50 to 117.50): VN055794.D (-1865) (-)

Ion 118.80 (118.50 to 119.50): VN055794.D (-1865) (-)

Ion 120.80 (120.50 to 121.50): VN055794.D (-1865) (-)





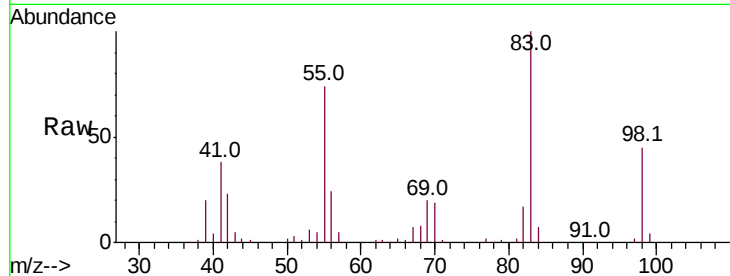
#39
Methvlcvclohexane
Concen: 18.438 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN055794.D
Acq: 24 May 2019 14:27

Instrument :
MSVOA_N
ClientSampleId :
VN0524MBSD01

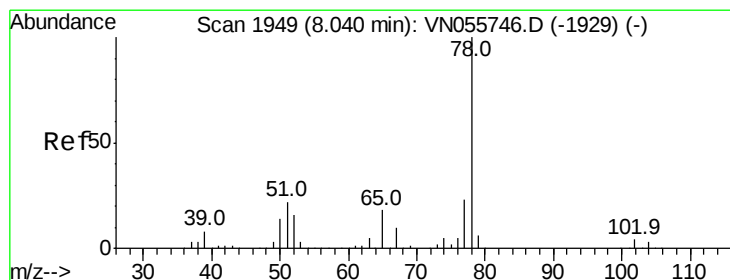
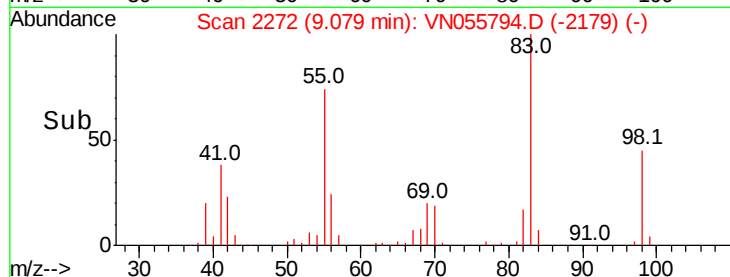
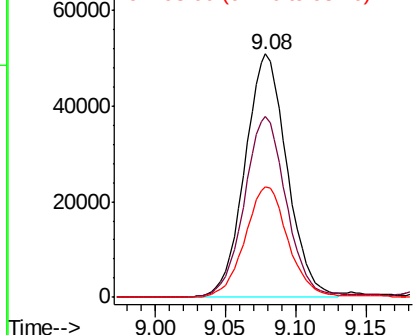
Tot Ion	83	Resp	106532
Ion Ratio	100	Lower	Upper
83	100		
55	74.2	59.3	88.9
98	45.3	36.6	54.8

Manual Integrations
APPROVED

MMDadoda
5/28/2019 10:35:54 AM

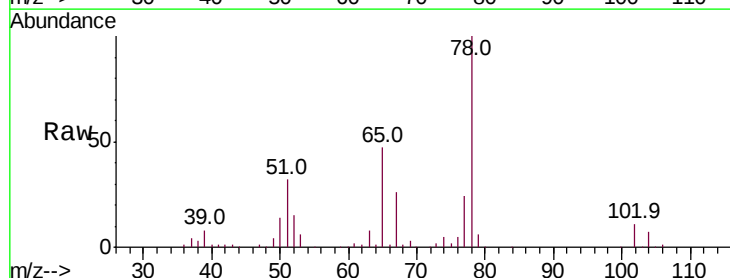


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

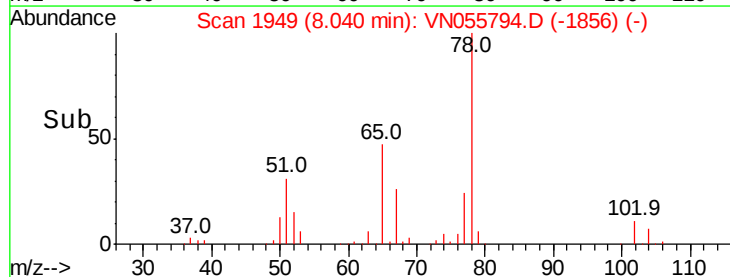
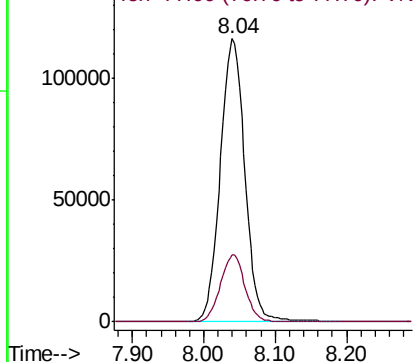


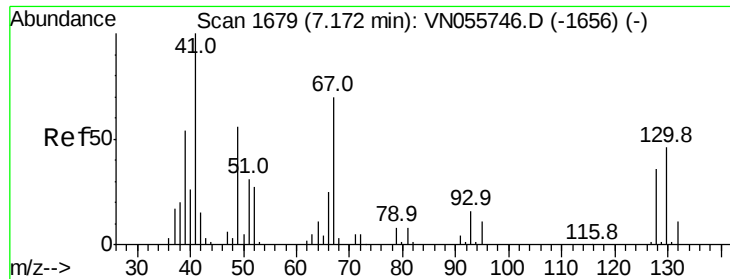
#40
Benzene
Concen: 19.861 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055794.D
Acq: 24 May 2019 14:27

Tgt Ion	78	Resp	279293
Ion Ratio	100	Lower	Upper
78	100		
77	23.7	18.8	28.2



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0





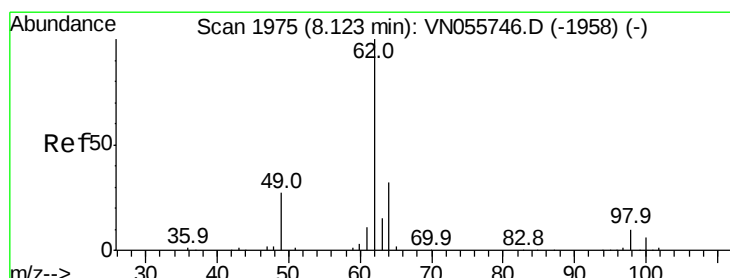
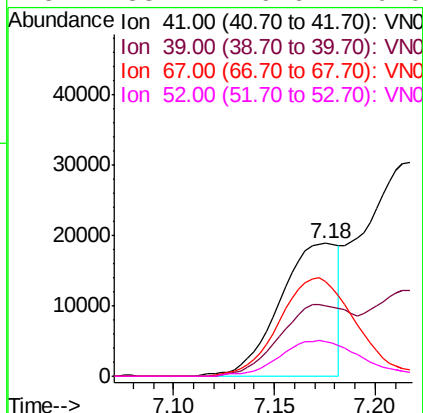
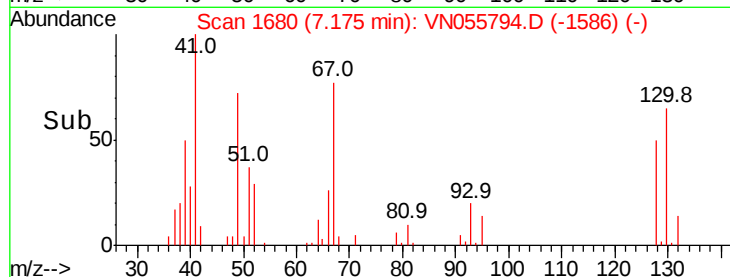
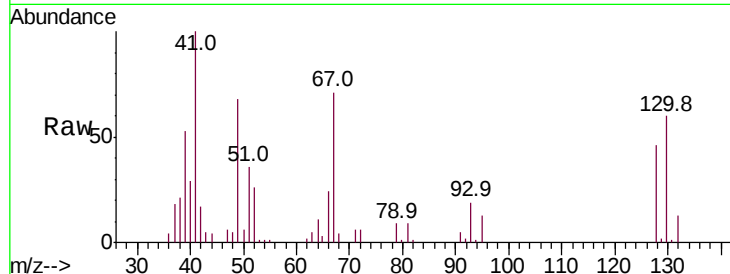
#41
Methacrylonitrile
Concen: 16.601 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN055794.D
Acq: 24 May 2019 14:27

Instrument :
MSVOA_N
ClientSampleId :
VN0524MBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	66.6	45.6	68.4
67	99.2	67.7	101.5
52	38.2	26.6	40.0

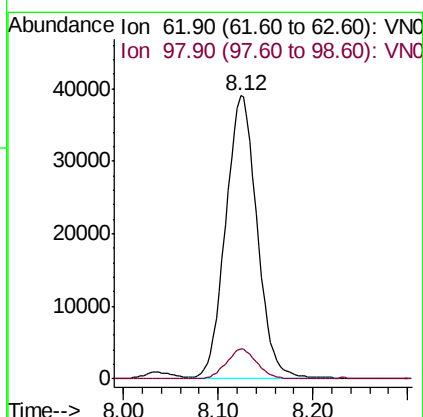
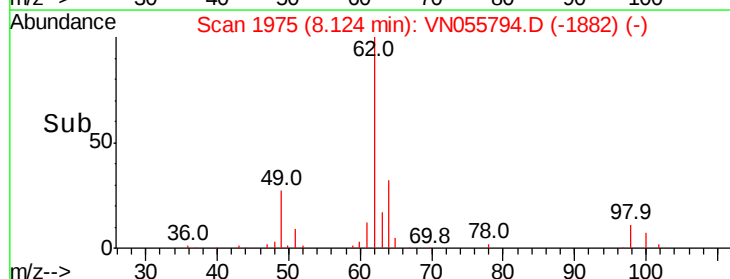
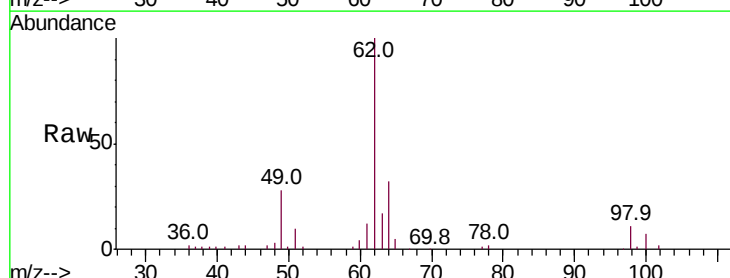
Manual Integrations
APPROVED

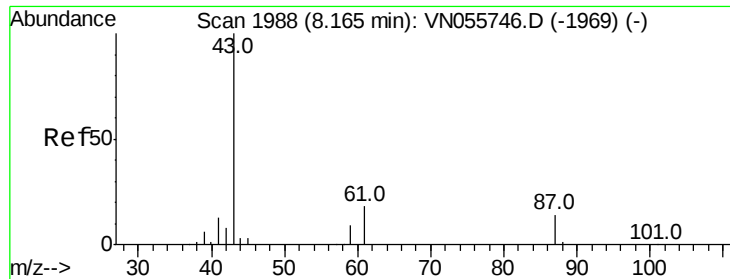
MMDadoda
5/28/2019 10:35:54 AM



#42
1,2-Dichloroethane
Concen: 19.679 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055794.D
Acq: 24 May 2019 14:27

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	20.2





#43

Isopropyl Acetate

Concen: 19.184 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055794.D

Acq: 24 May 2019 14:27

Instrument :

MSVOA_N

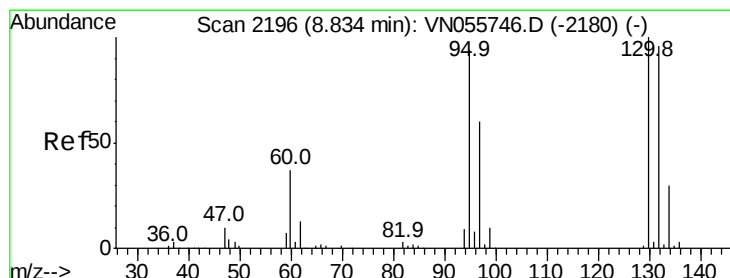
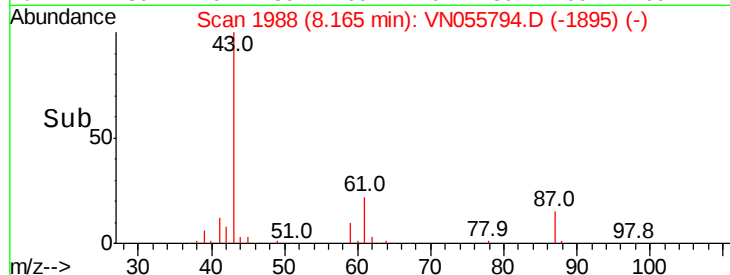
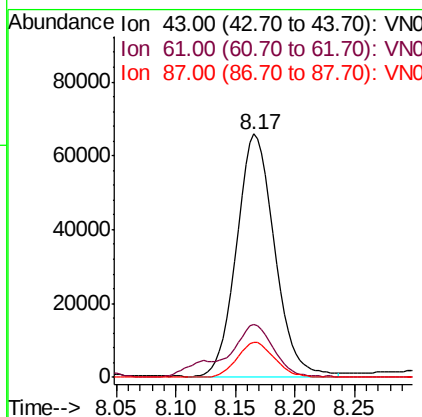
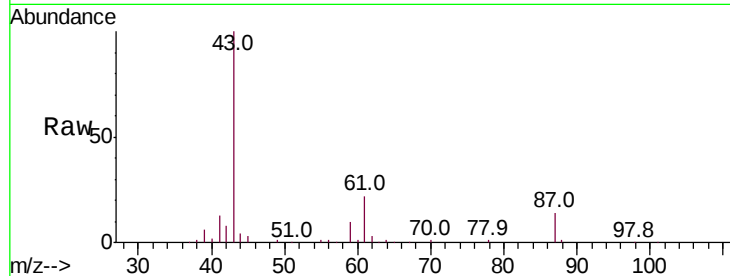
ClientSampleId :

VN0524MBSD01

Tot Ion:	43	Resp:	145359
Ion	Ratio	Lower	Upper
43	100		
61	21.1	22.2	33.4#
87	14.3	11.4	17.2

Manual Integrations
APPROVED

MMDadoda
5/28/2019 10:35:54 AM



#44

Trichloroethene

Concen: 20.139 ug/l

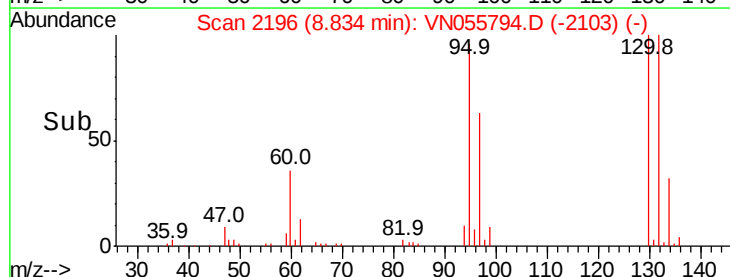
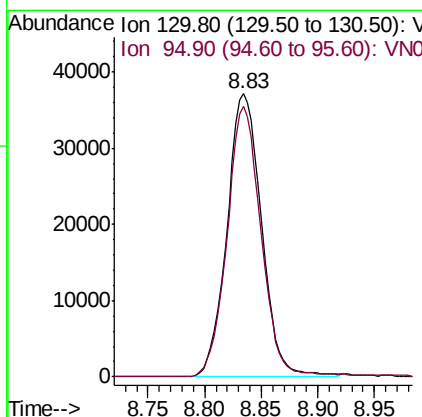
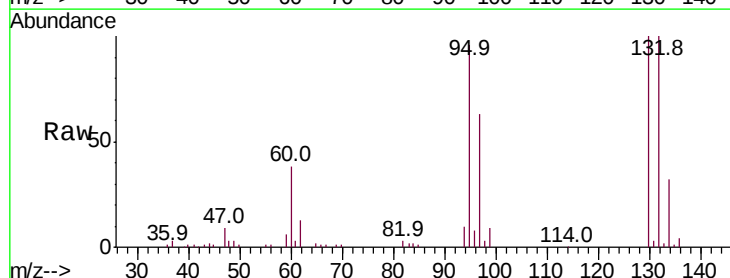
RT: 8.83 min Scan# 2196

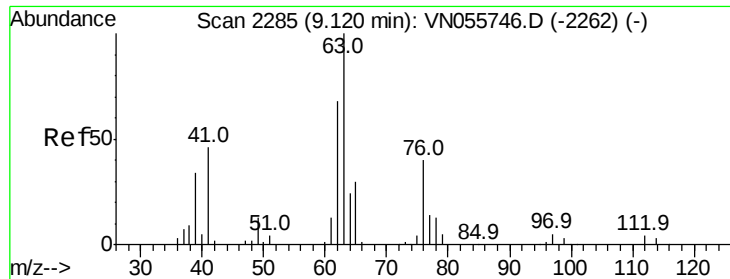
Delta R.T. 0.00 min

Lab File: VN055794.D

Acq: 24 May 2019 14:27

Tgt Ion:	130	Resp:	78951
Ion	Ratio	Lower	Upper
130	100		
95	95.5	0.0	188.0





#45

1,2-Dichloropropane

Concen: 19.661 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN055794.D

Acq: 24 May 2019 14:27

Instrument :

MSVOA_N

ClientSampleId :

VN0524MBSD01

Tot Ion: 63 Resp: 72034

Ion Ratio Lower Upper

63 100

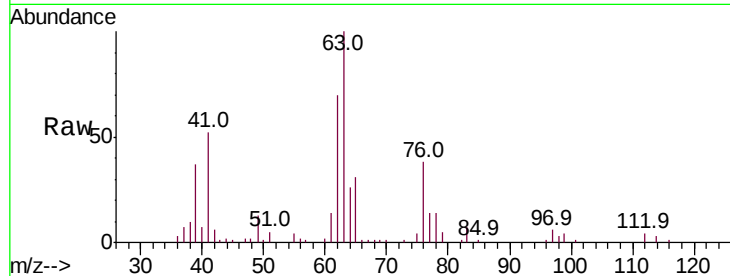
65 31.2 24.6 36.8

Manual Integrations

APPROVED

MMDadoda

5/28/2019 10:35:54 AM



Abundance Ion 62.90 (62.60 to 63.60): VN055794.D (-2192) (-)

Ion 64.90 (64.60 to 65.60): VN055794.D (-2192) (-)

9.12

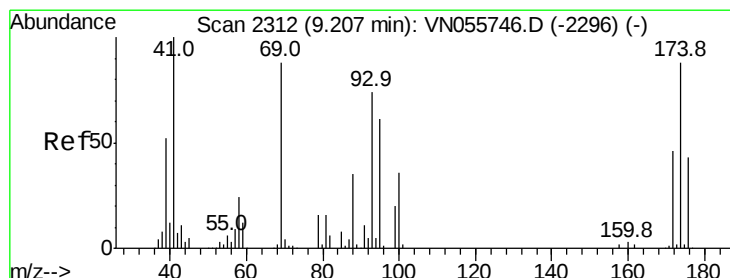
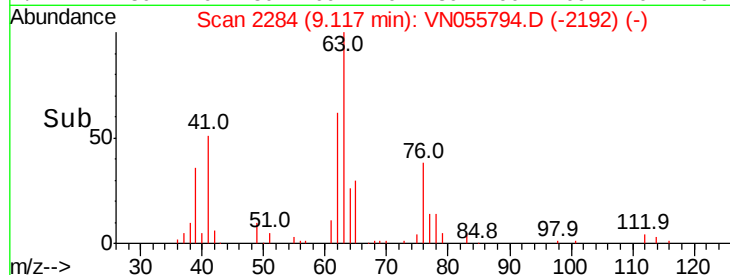
30000

20000

10000

0

Time-->



#46

Dibromomethane

Concen: 19.660 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN055794.D

Acq: 24 May 2019 14:27

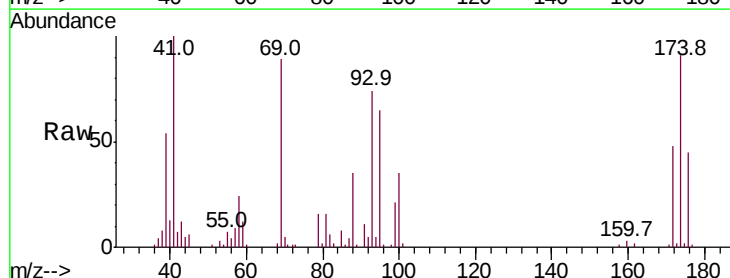
Tgt Ion: 93 Resp: 47238

Ion Ratio Lower Upper

93 100

95 87.1 66.7 100.1

174 125.4 96.4 144.6



Abundance Ion 92.80 (92.50 to 93.50): VN055794.D (-2219) (-)

Ion 94.80 (94.50 to 95.50): VN055794.D (-2219) (-)

Ion 173.70 (173.40 to 174.40): VN055794.D (-2219) (-)

9.21

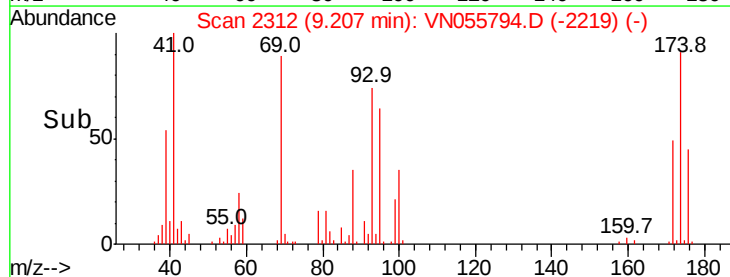
30000

20000

10000

0

Time-->





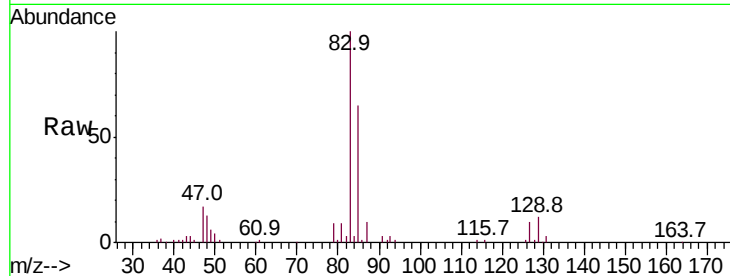
#47
Bromodichloromethane
Concen: 18.909 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN055794.D
Acq: 24 May 2019 14:27

Instrument :
MSVOA_N
ClientSampleId :
VN0524MBSD01

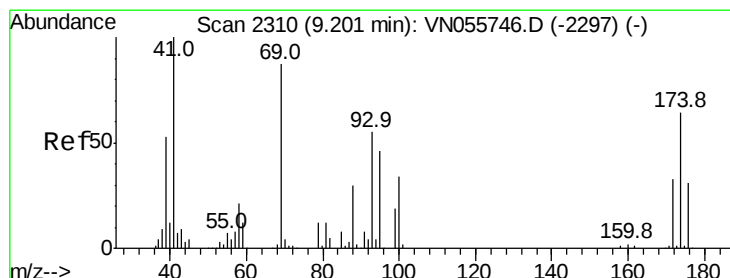
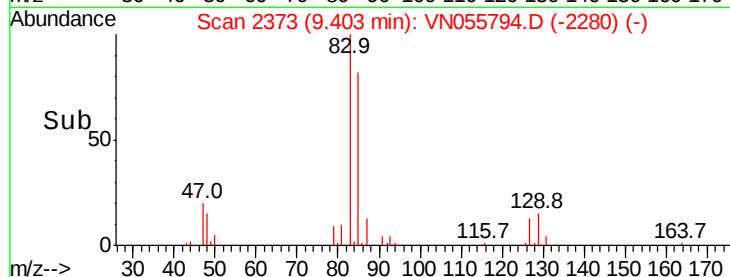
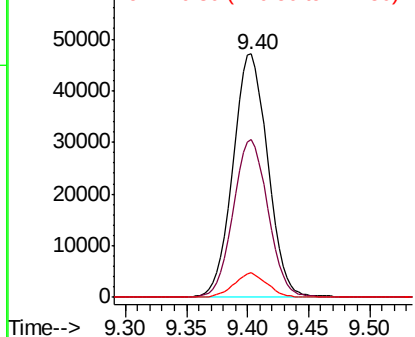
Tot Ion	Ratio	Lower	Upper
83	100		
85	64.6	52.2	78.2
127	9.9	7.4	11.0

Manual Integrations
APPROVED

MMDadoda
5/28/2019 10:35:54 AM



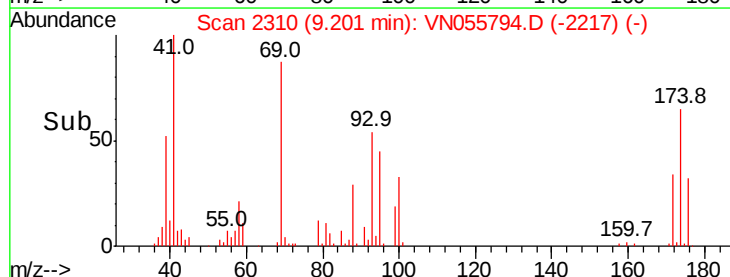
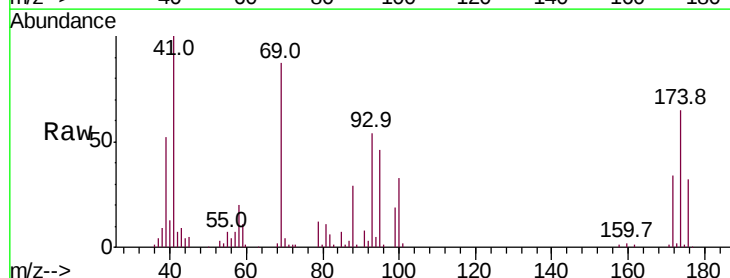
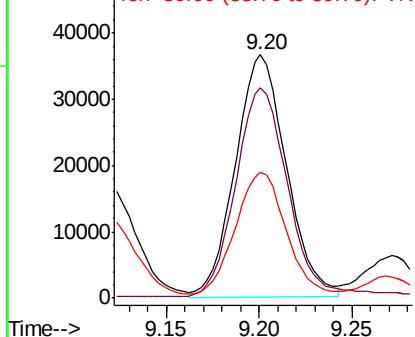
Abundance Ion 82.90 (82.60 to 83.60): VN055794.D (-2280) (-)
Ion 84.90 (84.60 to 85.60): VN055794.D (-2280) (-)
Ion 126.80 (126.50 to 127.50): VN055794.D (-2280) (-)

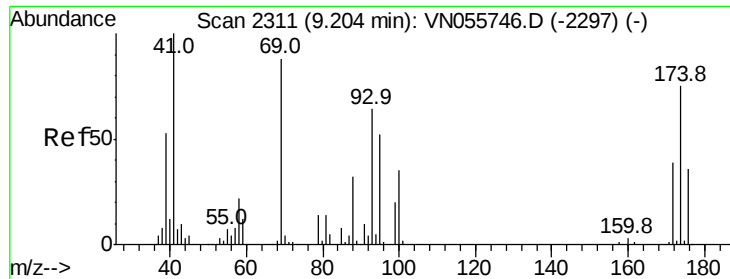


#48
Methyl methacrylate
Concen: 20.060 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN055794.D
Acq: 24 May 2019 14:27

Tgt Ion	Ratio	Lower	Upper
41	100		
69	91.8	71.0	106.6
39	52.4	44.2	66.2

Abundance Ion 41.00 (40.70 to 41.70): VN055794.D (-2217) (-)
Ion 69.00 (68.70 to 69.70): VN055794.D (-2217) (-)
Ion 39.00 (38.70 to 39.70): VN055794.D (-2217) (-)





#49

1,4-Dioxane

Concen: 404.422 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN055794.D

Acq: 24 May 2019 14:27

Instrument :

MSVOA_N

ClientSampleId :

VN0524MBSD01

Tot Ion: 88 Resp: 29348

Ion Ratio Lower Upper

88 100

43 22.6 20.5 30.7

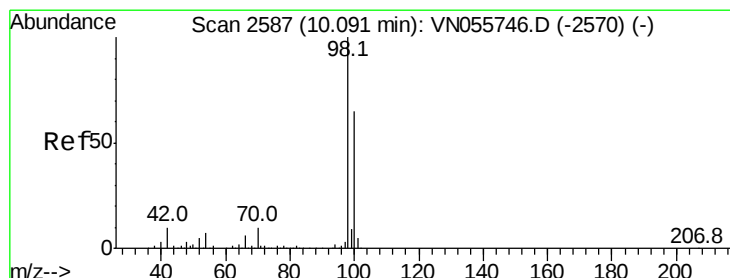
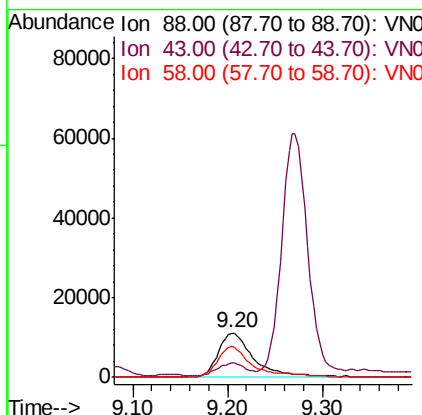
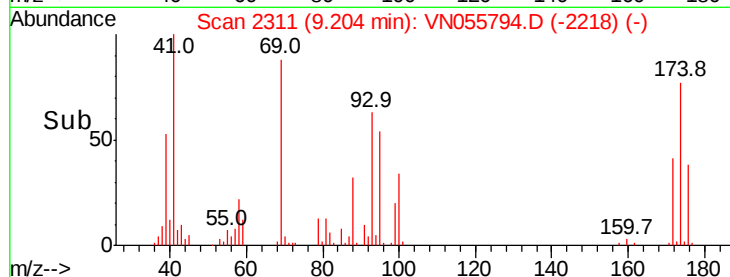
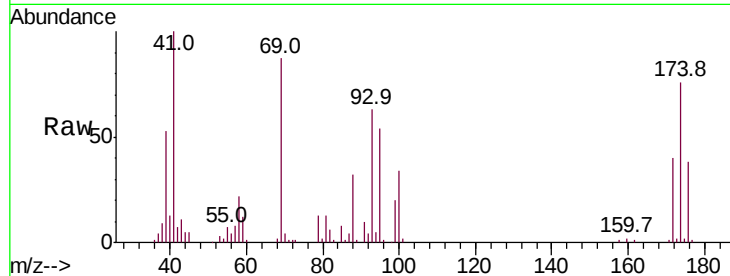
58 62.2 55.8 83.6

Manual Integrations

APPROVED

MMDadoda

5/28/2019 10:35:54 AM



#50

Toluene-d8

Concen: 50.265 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055794.D

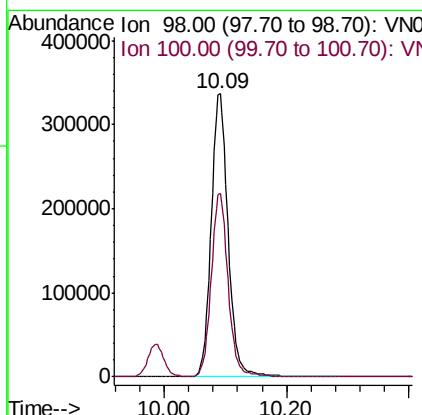
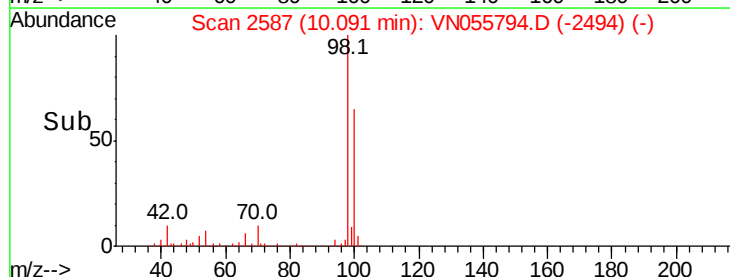
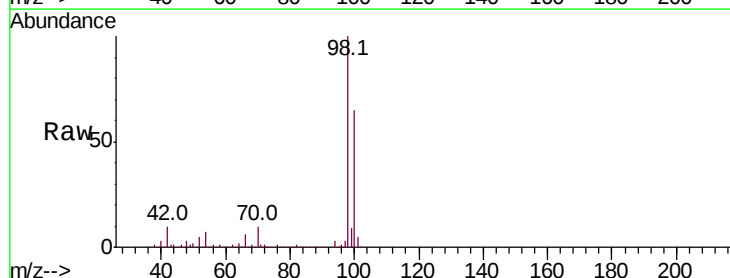
Acq: 24 May 2019 14:27

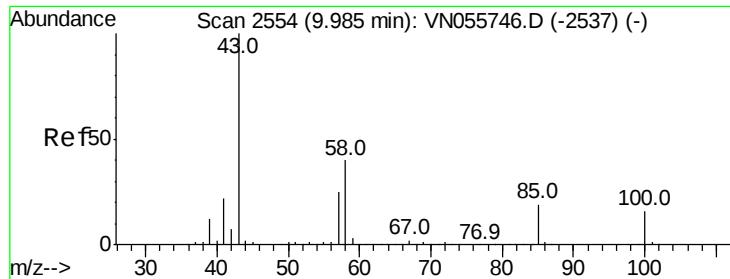
Tgt Ion: 98 Resp: 652685

Ion Ratio Lower Upper

98 100

100 64.1 51.9 77.9





#51

4-Methyl-2-Pentanone

Concen: 98.998 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055794.D

Acq: 24 May 2019 14:27

Instrument :

MSVOA_N

ClientSampleID :

VN0524MBSD01

Tot Ion: 43 Resp: 443015

Ion Ratio Lower Upper

43 100

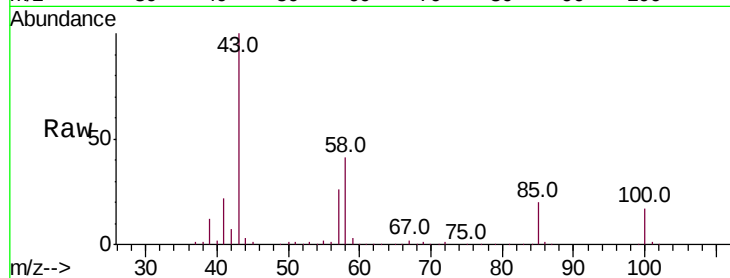
58 41.0 32.1 48.1

Manual Integrations

APPROVED

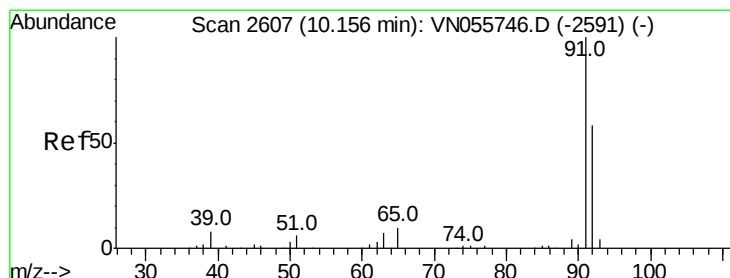
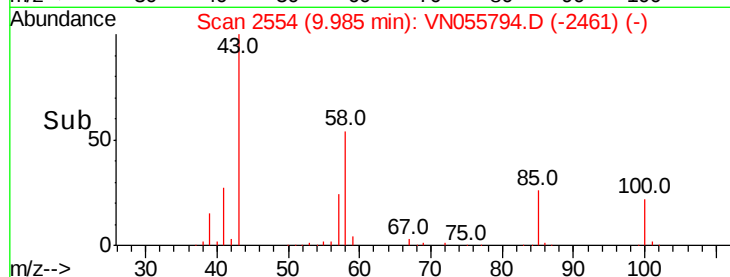
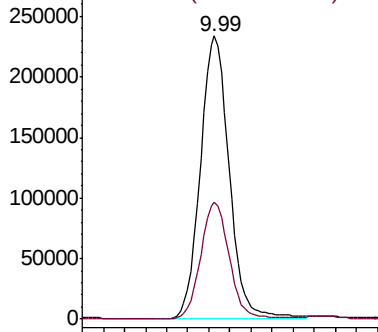
MMDadoda

5/28/2019 10:35:54 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.283 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055794.D

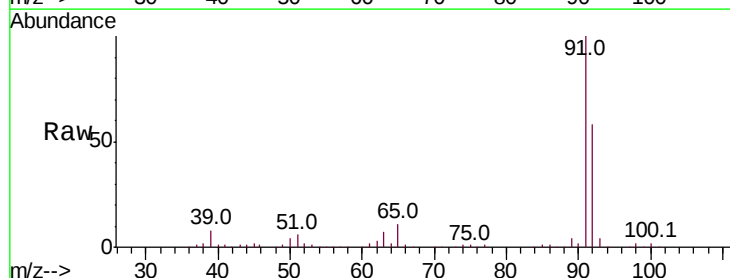
Acq: 24 May 2019 14:27

Tgt Ion: 92 Resp: 179386

Ion Ratio Lower Upper

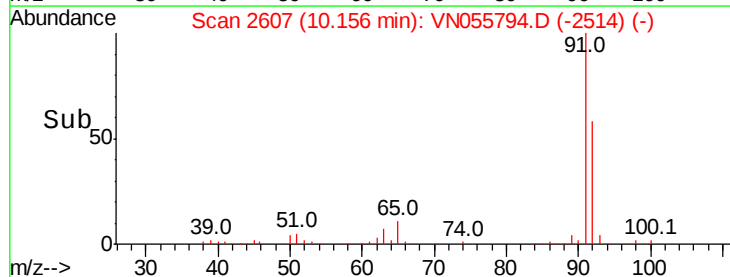
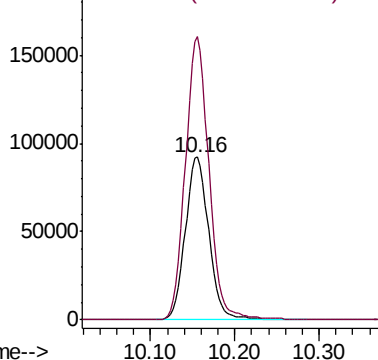
92 100

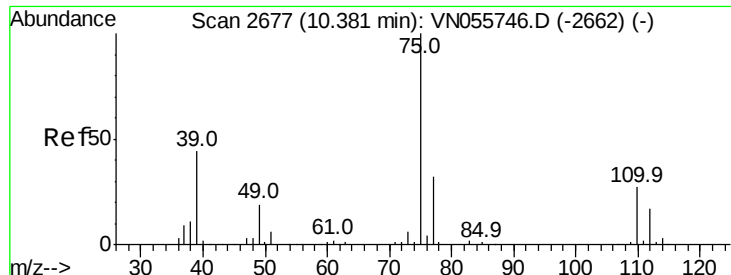
91 174.3 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





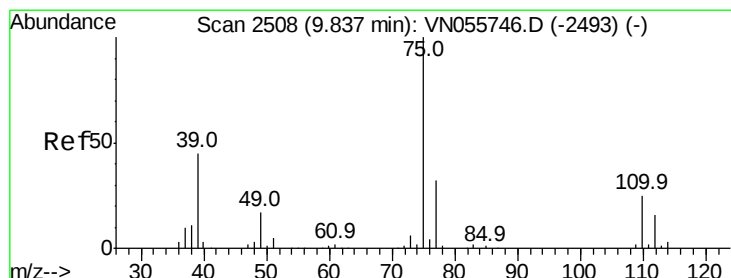
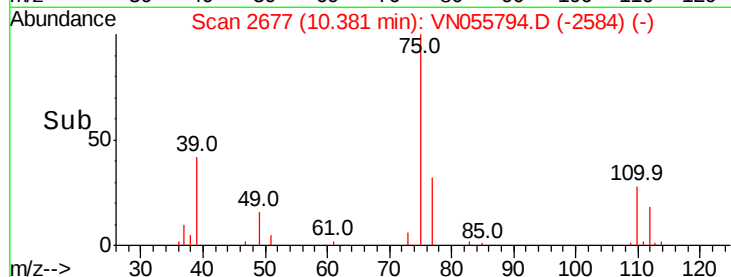
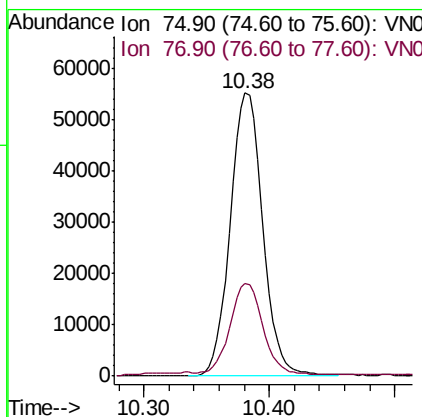
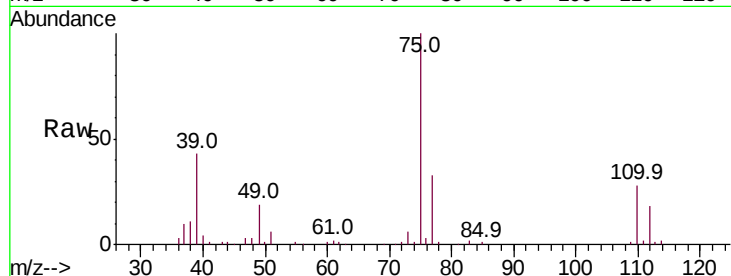
#53
t-1,3-Dichloropropene
Concen: 18.922 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN055794.D
Acq: 24 May 2019 14:27

Instrument :
MSVOA_N
ClientSampleId :
VN0524MBSD01

Tot Ion: 75 Resp: 99514
Ion Ratio Lower Upper
75 100
77 32.3 25.8 38.6

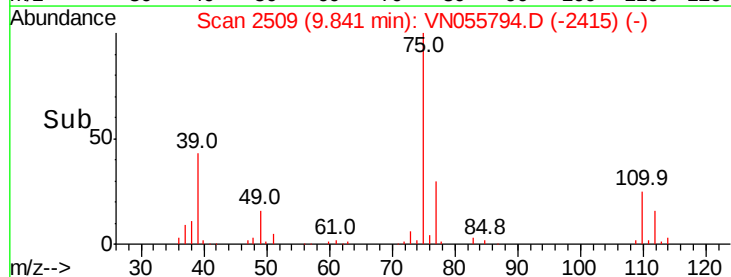
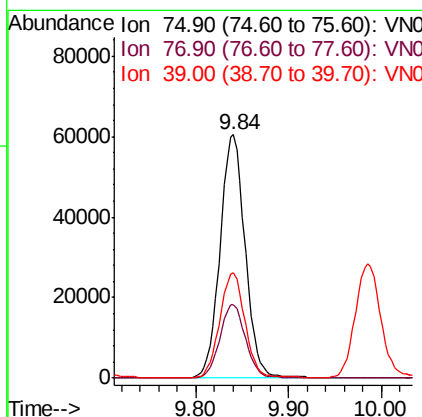
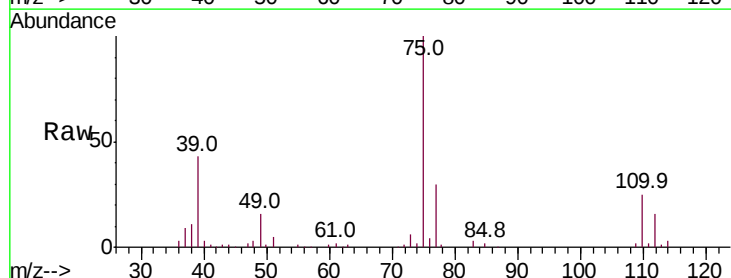
Manual Integrations
APPROVED

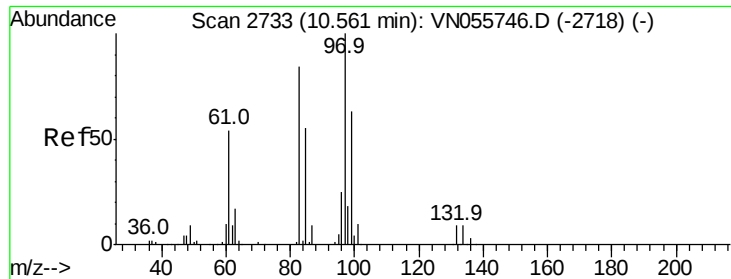
MMDadoda
5/28/2019 10:35:54 AM



#54
cis-1,3-Dichloropropene
Concen: 19.514 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN055794.D
Acq: 24 May 2019 14:27

Tgt Ion: 75 Resp: 113693
Ion Ratio Lower Upper
75 100
77 30.4 25.4 38.0
39 43.4 36.3 54.5





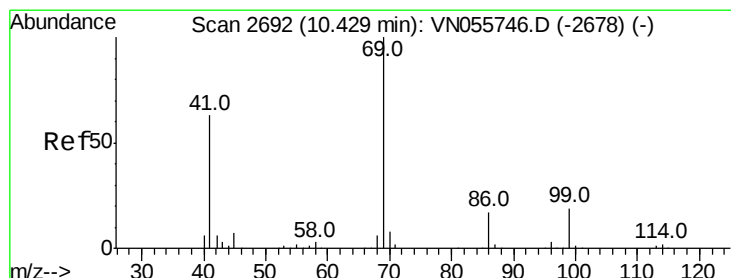
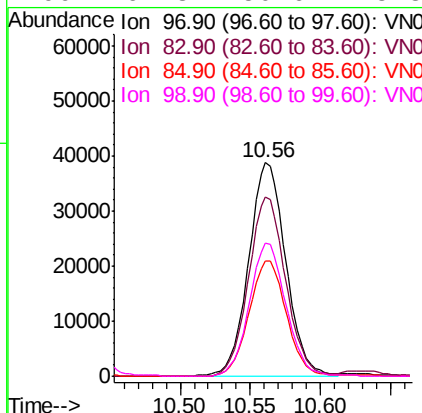
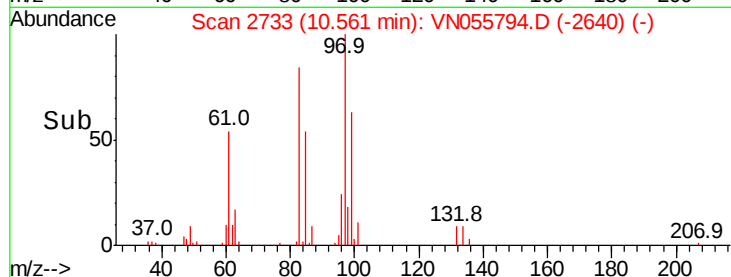
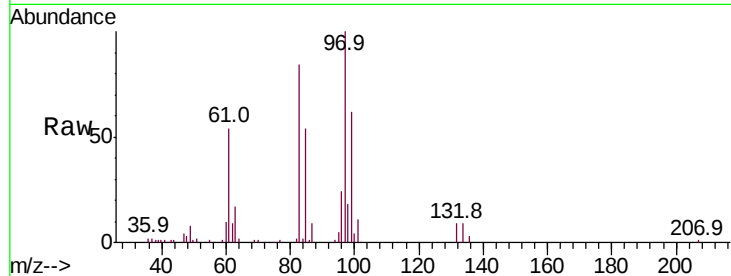
#55
 1,1,2-Trichloroethane
 Concen: 20.190 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055794.D
 Acq: 24 May 2019 14:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524MBSD01

Tot Ion	Ratio	Lower	Upper
97	100		
83	84.2	67.0	100.6
85	53.9	44.0	66.0
99	62.3	50.6	75.8

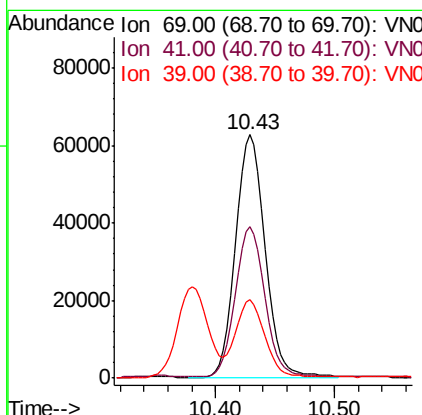
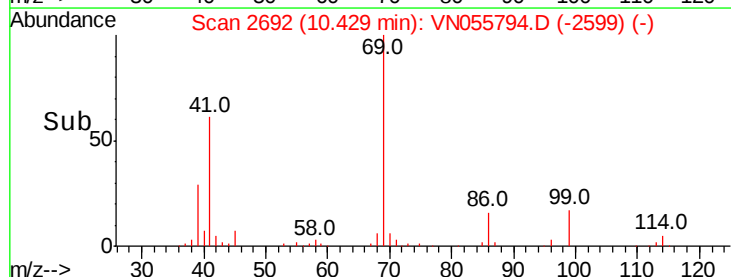
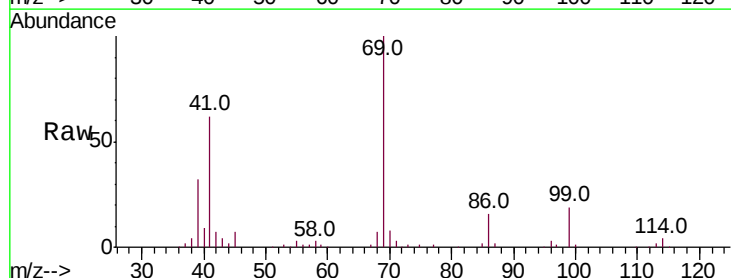
Manual Integrations
 APPROVED

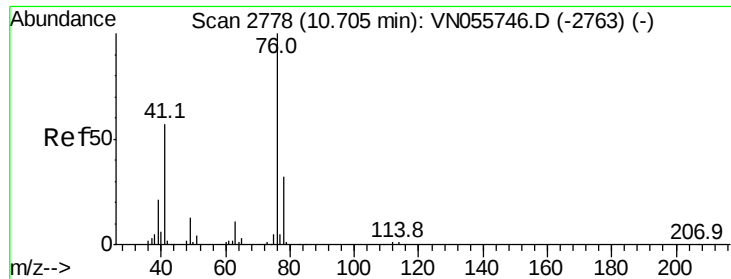
MMDadoda
 5/28/2019 10:35:54 AM



#56
 Ethyl methacrylate
 Concen: 19.996 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055794.D
 Acq: 24 May 2019 14:27

Tgt Ion	Ratio	Lower	Upper
69	100		
41	60.9	49.7	74.5
39	30.8	24.7	37.1





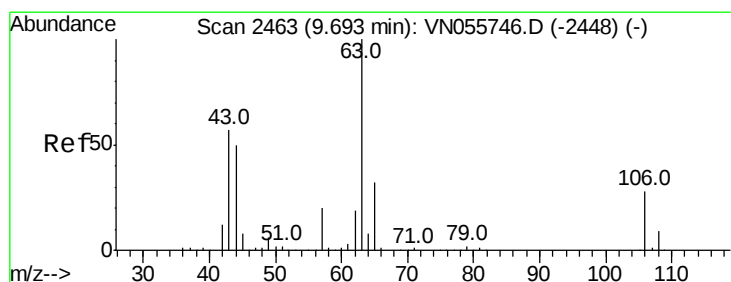
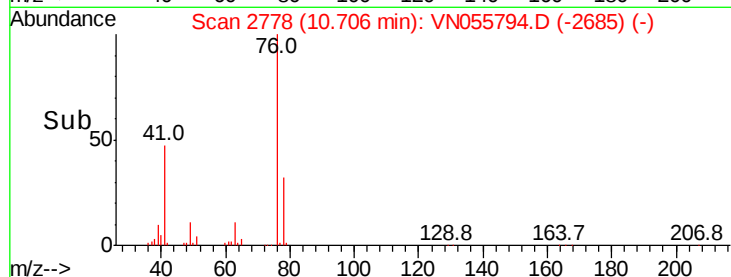
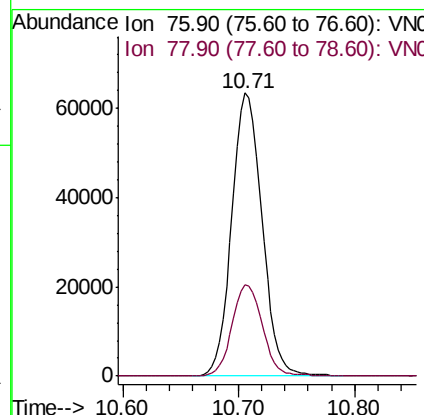
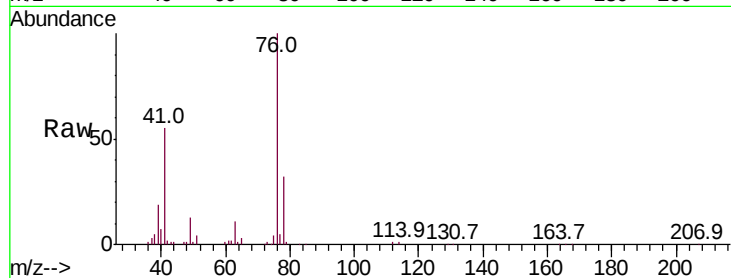
#57
 1,3-Dichloropropane
 Concen: 20.047 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN055794.D
 Acq: 24 May 2019 14:27

Instrument :
 MSVOA_N
 ClientSampled :
 VN0524MBSD01

Tot Ion: 76 Resp: 115456
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.8 38.6

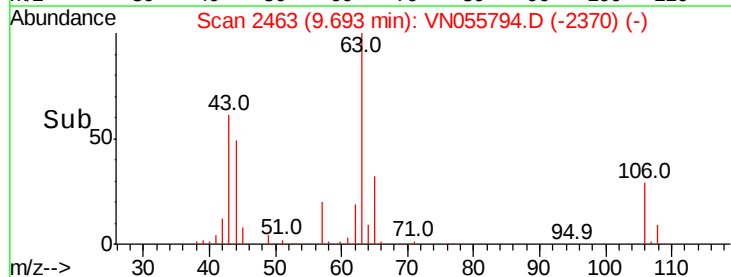
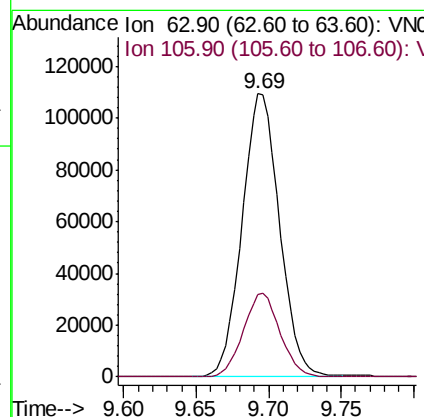
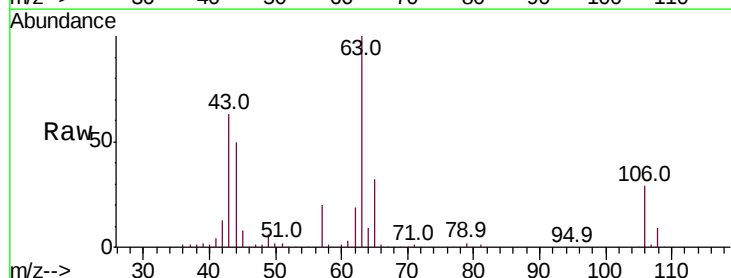
Manual Integrations
 APPROVED

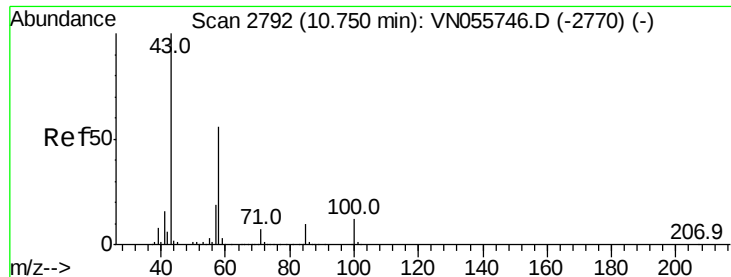
MMDadoda
 5/28/2019 10:35:54 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 94.080 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. 0.00 min
 Lab File: VN055794.D
 Acq: 24 May 2019 14:27

Tgt Ion: 63 Resp: 196872
 Ion Ratio Lower Upper
 63 100
 106 29.0 22.7 34.1





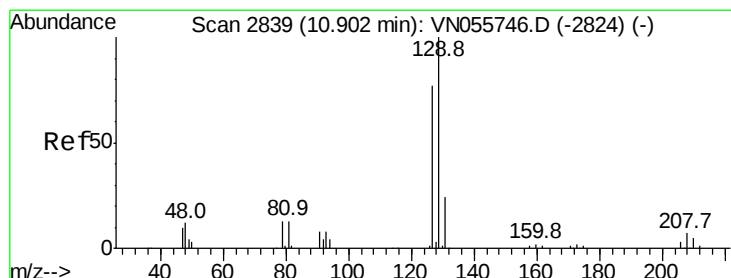
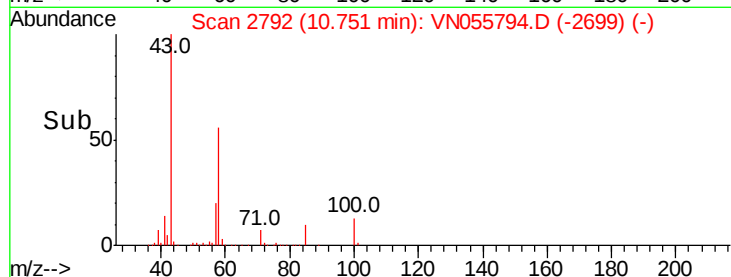
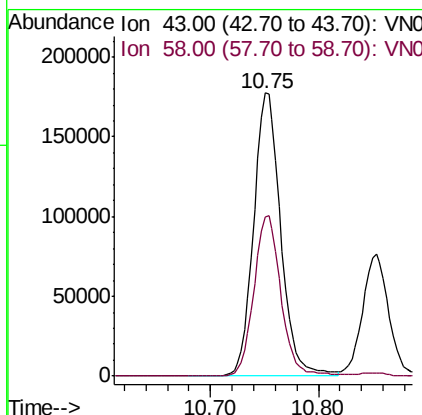
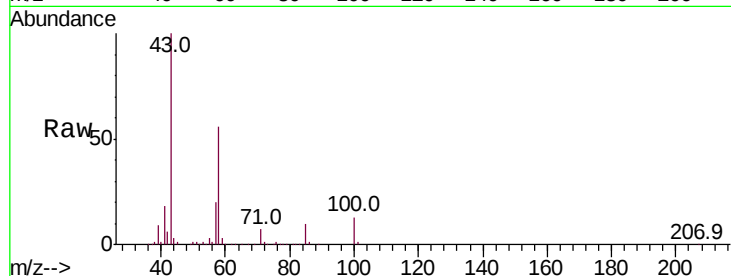
#59
2-Hexanone
Concen: 97.093 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN055794.D
Acq: 24 May 2019 14:27

Instrument :
MSVOA_N
ClientSampleId :
VN0524MBSD01

Tot Ion: 43 Resp: 308230
Ion Ratio Lower Upper
43 100
58 56.8 28.2 84.7

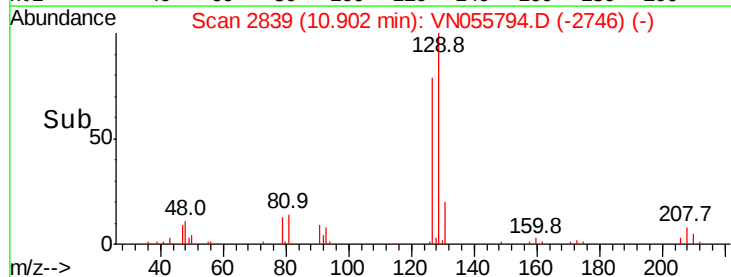
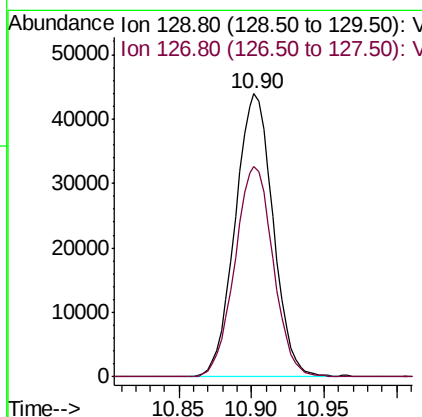
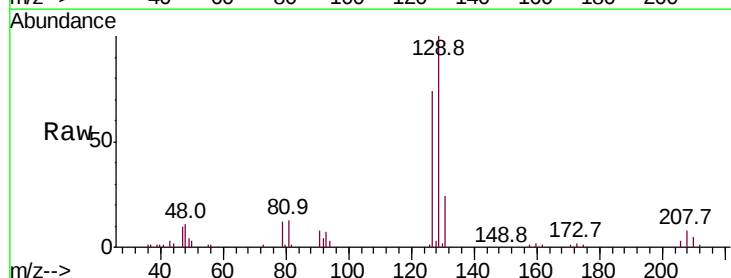
Manual Integrations
APPROVED

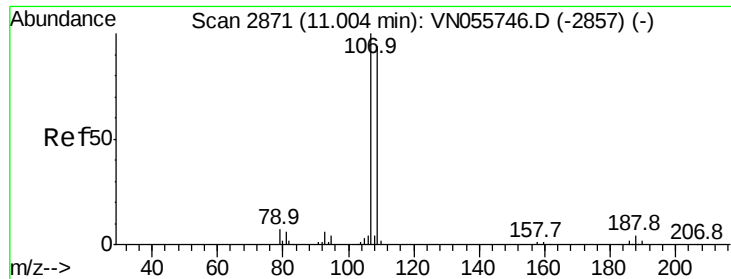
MMDadoda
5/28/2019 10:35:54 AM



#60
Dibromochloromethane
Concen: 19.301 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055794.D
Acq: 24 May 2019 14:27

Tgt Ion: 129 Resp: 79666
Ion Ratio Lower Upper
129 100
127 75.1 38.1 114.3





#61

1,2-Dibromoethane

Concen: 20.258 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN055794.D

Acq: 24 May 2019 14:27

Instrument :

MSVOA_N

ClientSampleId :

VN0524MBSD01

Tot Ion:107 Resp: 74448

Ion Ratio Lower Upper

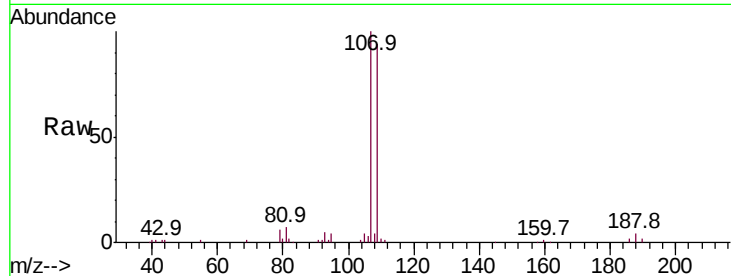
107 100

109 95.1 74.8 112.2

Manual Integrations
APPROVED

MMDadoda

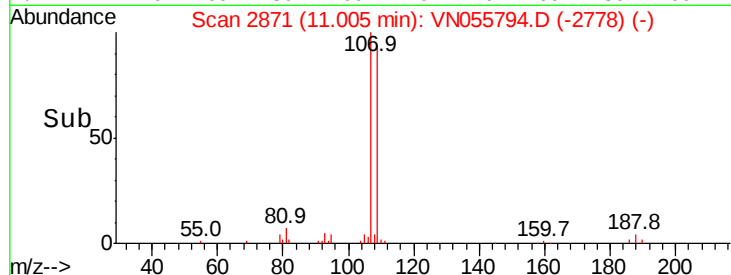
5/28/2019 10:35:54 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

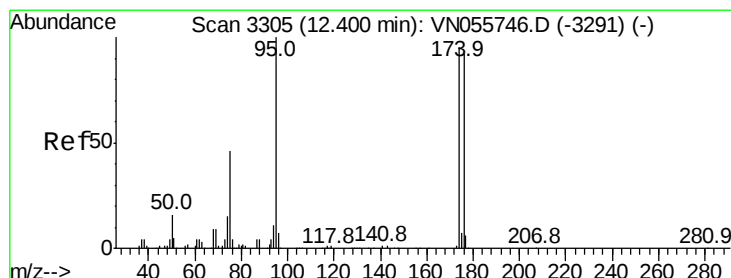


Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 49.478 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055794.D

Acq: 24 May 2019 14:27

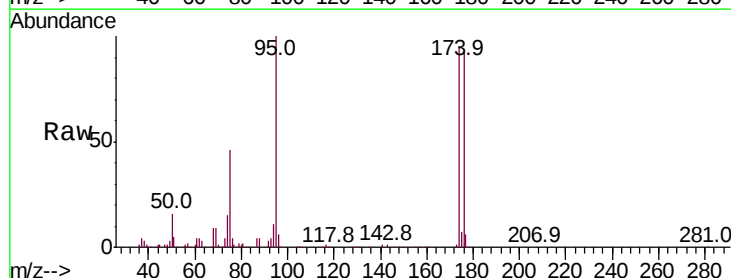
Tgt Ion: 95 Resp: 220295

Ion Ratio Lower Upper

95 100

174 95.7 0.0 191.0

176 92.9 0.0 185.2

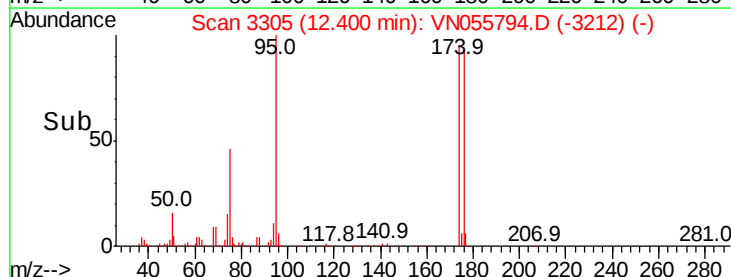


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40



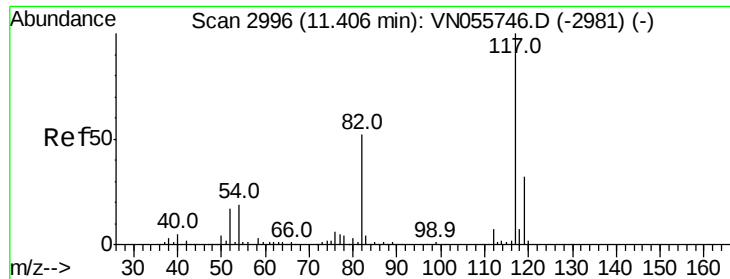
Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

Time--> 12.30 12.40 12.50



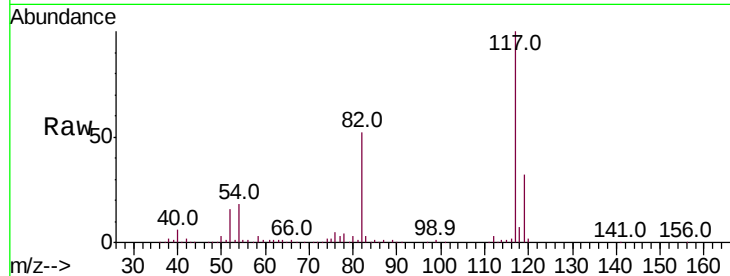
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055794.D
Acq: 24 May 2019 14:27

Instrument :
MSVOA_N
ClientSampleId :
VN0524MBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.7	41.8	62.8
119	32.0	25.4	38.0

Manual Integrations
APPROVED

MMDadoda
5/28/2019 10:35:54 AM

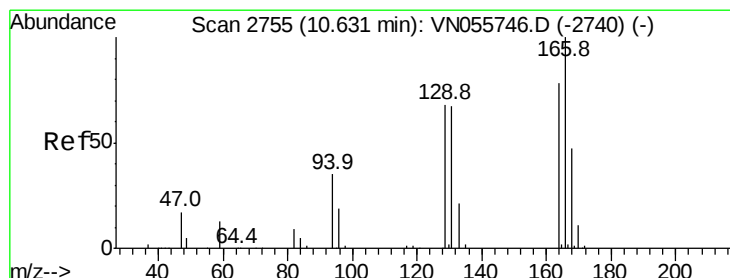
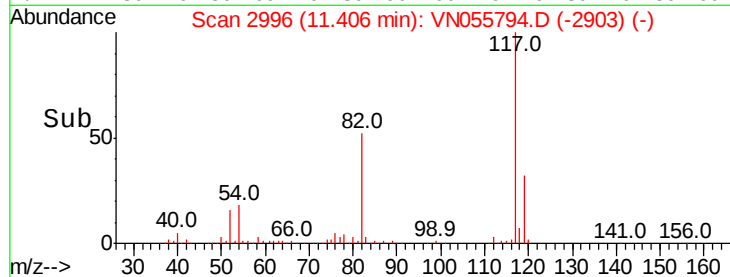
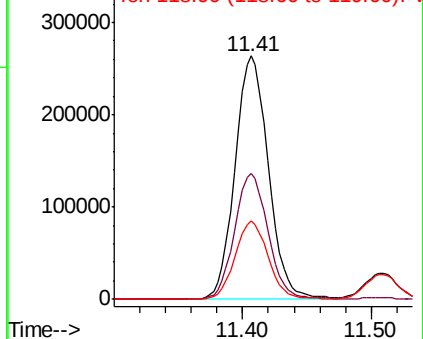


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 20.333 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055794.D
Acq: 24 May 2019 14:27

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.0	103.0	154.6
129	89.7	70.6	105.8
131	85.5	68.6	102.8

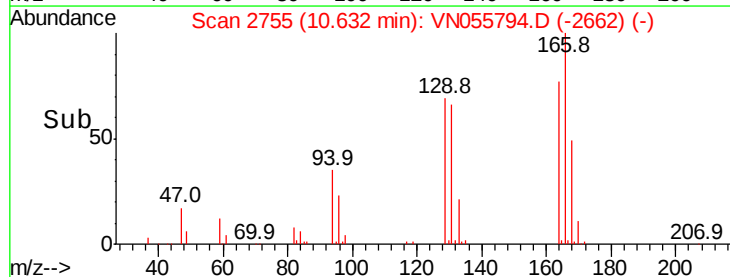
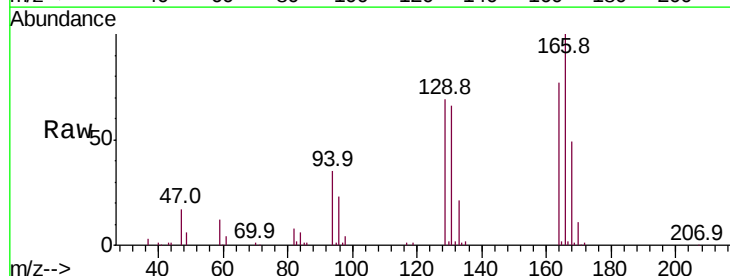
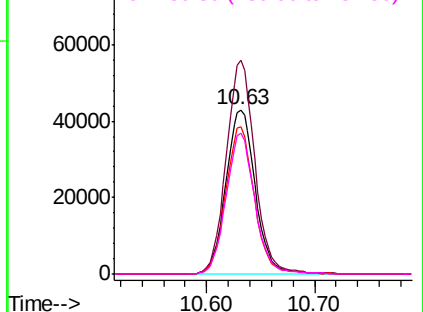
Abundance

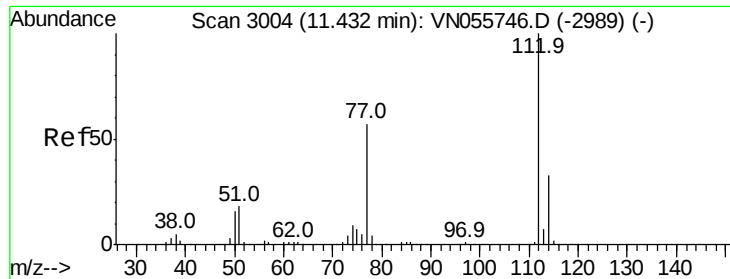
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





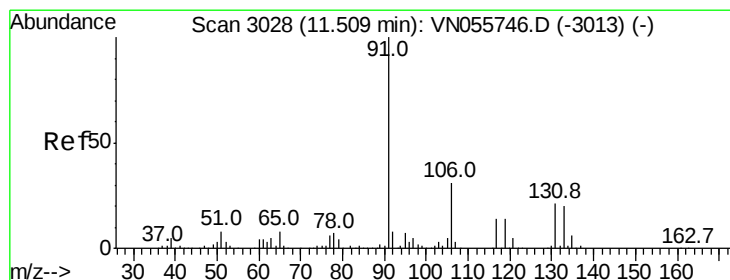
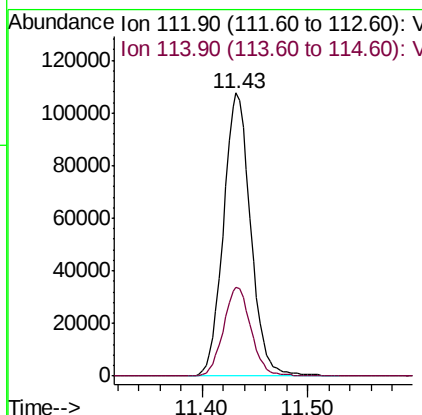
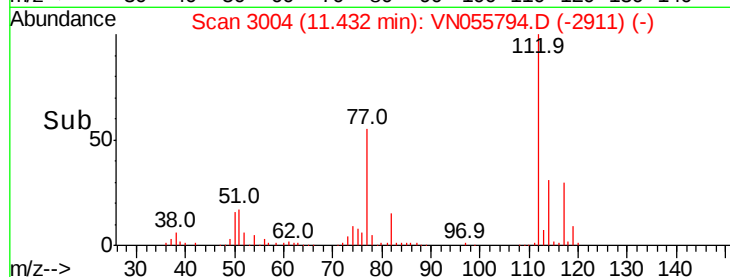
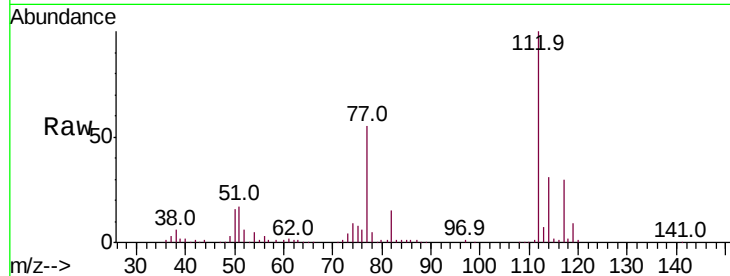
#65
Chlorobenzene
Concen: 20.142 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055794.D
Acq: 24 May 2019 14:27

Instrument :
MSVOA_N
ClientSampleId :
VN0524MBSD01

Tot Ion:112 Resp: 191843
Ion Ratio Lower Upper
112 100
114 31.5 26.2 39.4

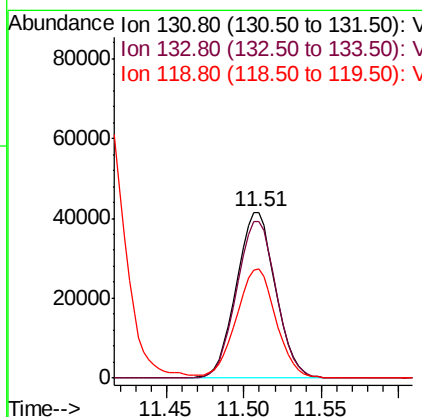
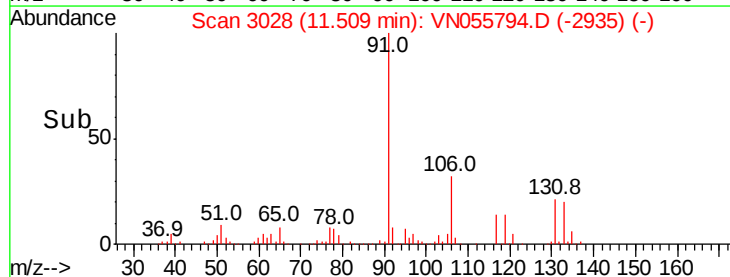
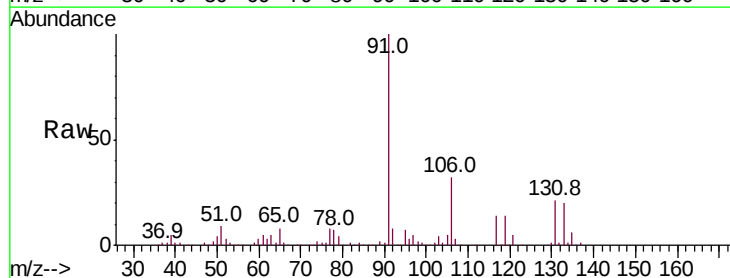
Manual Integrations
APPROVED

MMDadoda
5/28/2019 10:35:54 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.217 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055794.D
Acq: 24 May 2019 14:27

Tgt Ion:131 Resp: 73001
Ion Ratio Lower Upper
131 100
133 96.2 48.0 144.0
119 67.2 33.1 99.5





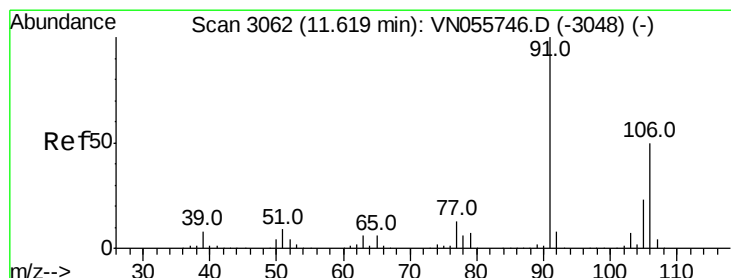
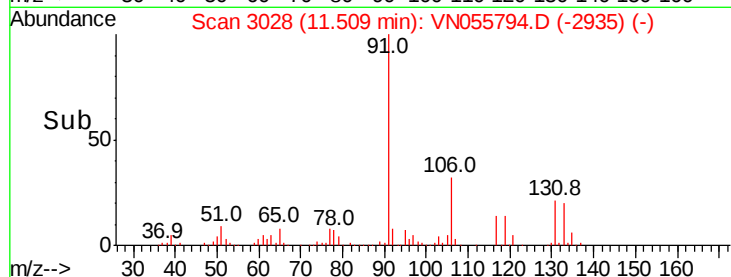
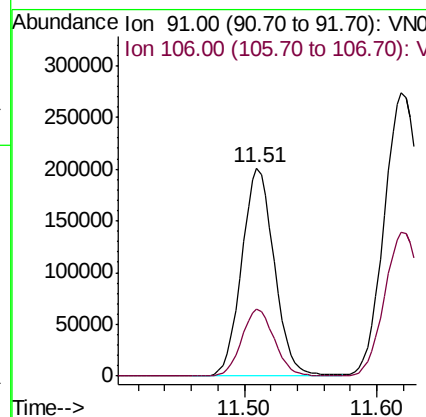
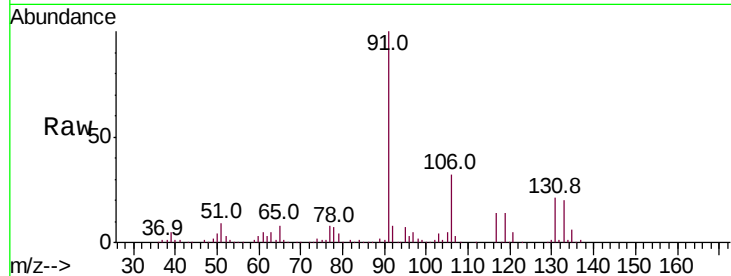
#67
Ethyl Benzene
Concen: 20.120 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055794.D
Acq: 24 May 2019 14:27

Instrument :
MSVOA_N
ClientSampleId :
VN0524MBSD01

Tot Ion: 91 Resp: 343657
Ion Ratio Lower Upper
91 100
106 32.2 25.1 37.7

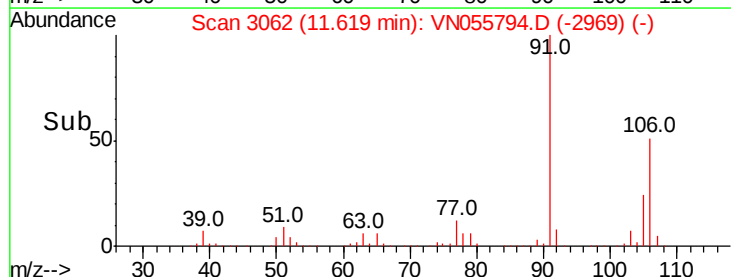
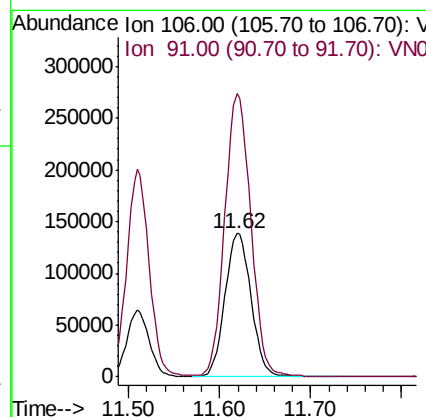
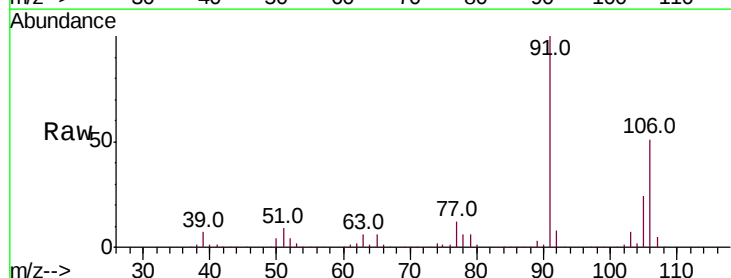
Manual Integrations
APPROVED

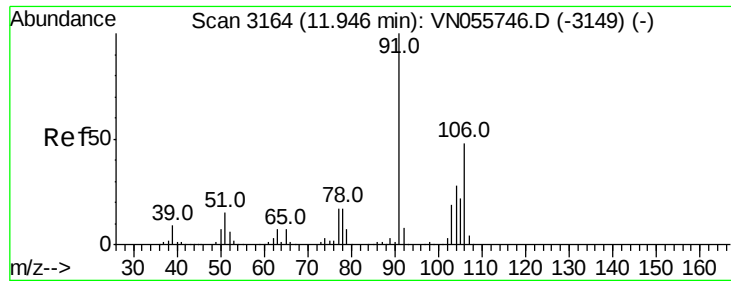
MMDadoda
5/28/2019 10:35:54 AM



#68
m/p-Xylenes
Concen: 42.944 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055794.D
Acq: 24 May 2019 14:27

Tgt Ion: 106 Resp: 277292
Ion Ratio Lower Upper
106 100
91 196.9 159.3 238.9





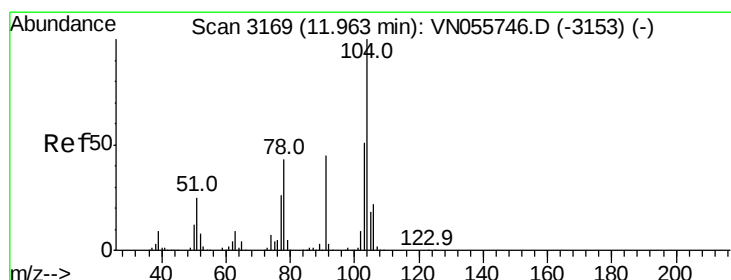
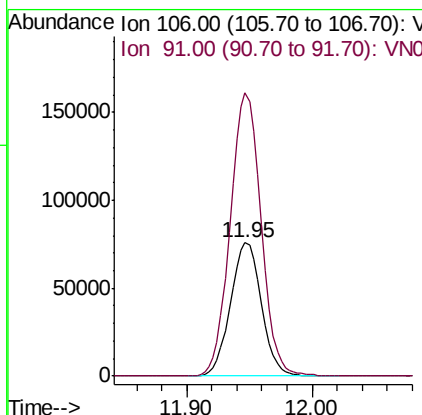
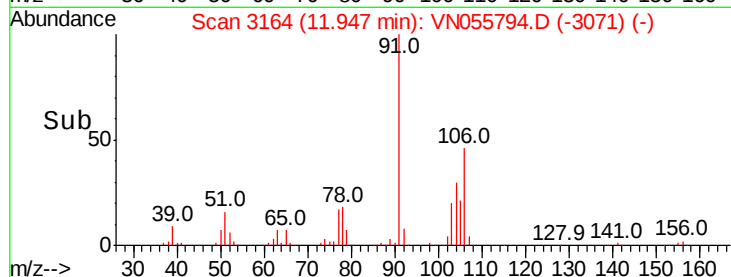
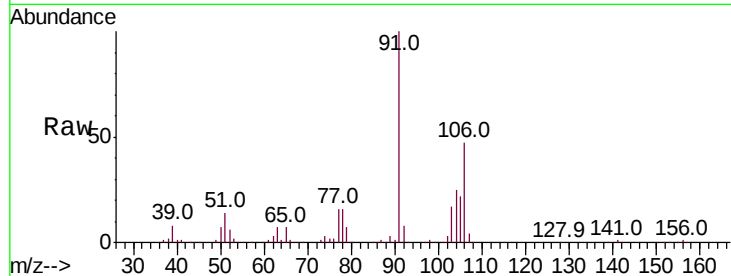
#69
o-Xylene
Concen: 20.311 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055794.D
Acq: 24 May 2019 14:27

Instrument :
MSVOA_N
ClientSampled :
VN0524MBSD01

Tot Ion:106 Resp: 130121
Ion Ratio Lower Upper
106 100
91 211.8 104.7 314.1

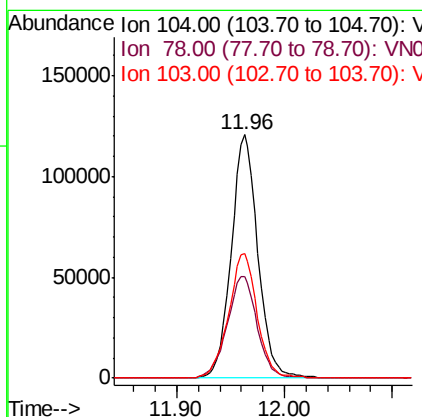
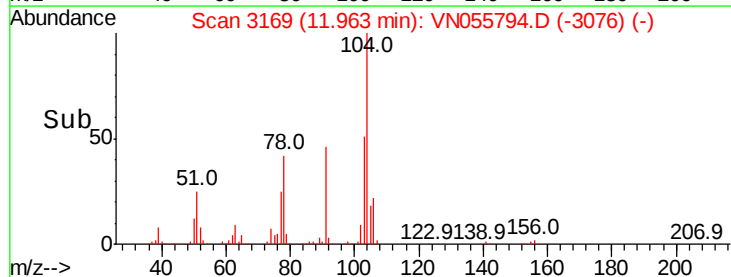
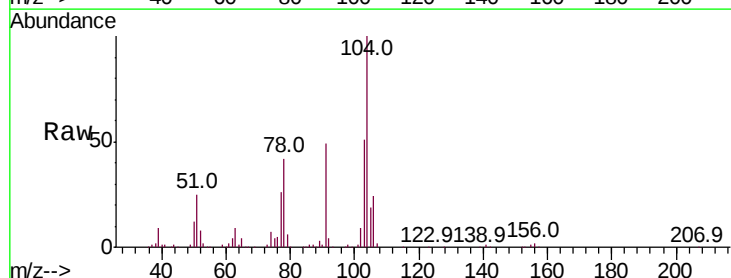
Manual Integrations
APPROVED

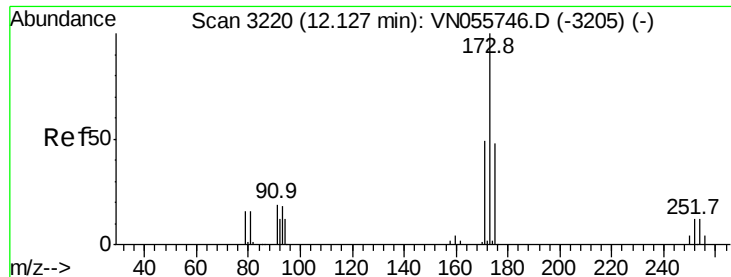
MMDadoda
5/28/2019 10:35:54 AM



#70
Styrene
Concen: 19.987 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055794.D
Acq: 24 May 2019 14:27

Tgt Ion:104 Resp: 207353
Ion Ratio Lower Upper
104 100
78 47.2 37.8 56.6
103 55.0 44.2 66.2





#71

Bromoform

Concen: 18.519 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN055794.D

Acq: 24 May 2019 14:27

Instrument :

MSVOA_N

ClientSampleId :

VN0524MBSD01

Tot Ion:173 Resp: 60004

Ion Ratio Lower Upper

173 100

175 49.1 24.3 72.8

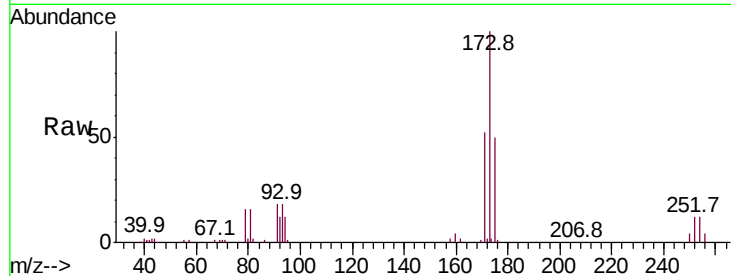
254 0.0 0.0 0.0

Manual Integrations

APPROVED

MMDadoda

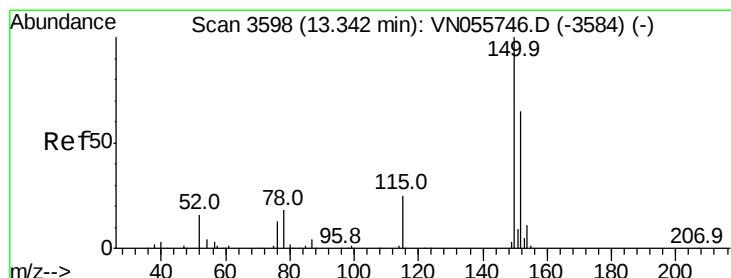
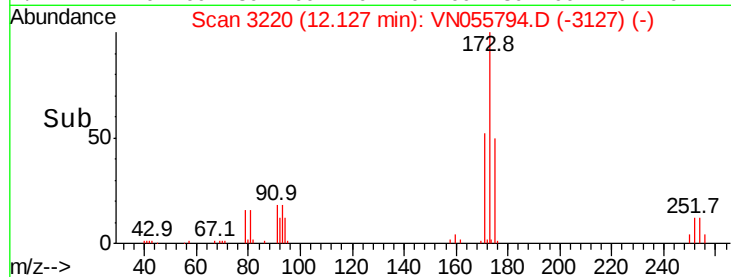
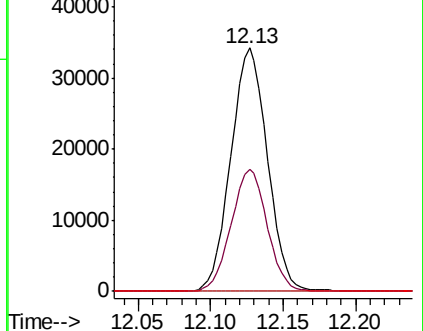
5/28/2019 10:35:54 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN055794.D

Acq: 24 May 2019 14:27

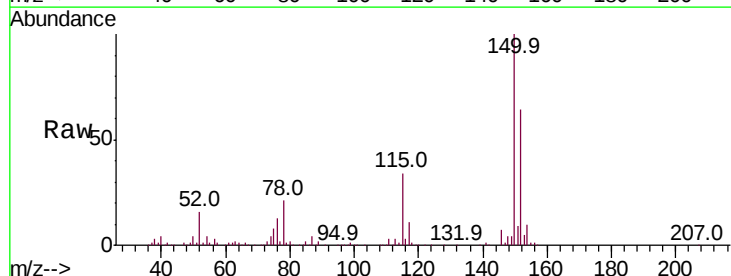
Tgt Ion:152 Resp: 203976

Ion Ratio Lower Upper

152 100

115 53.7 27.0 81.0

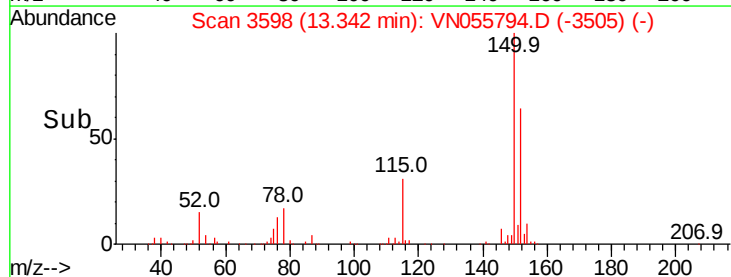
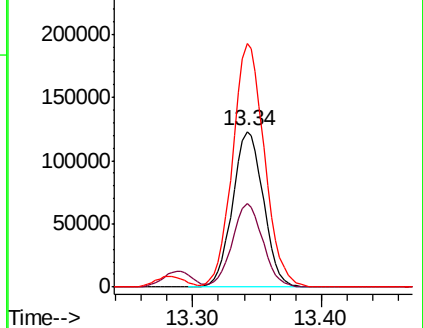
150 161.8 0.0 343.2

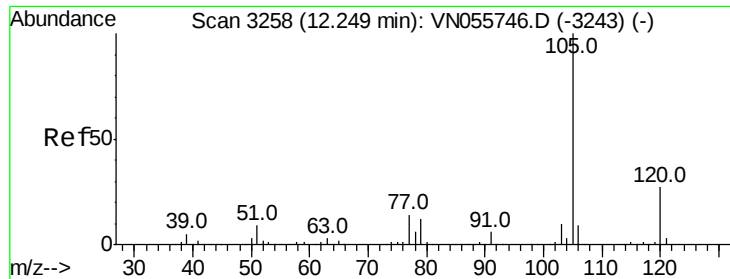


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





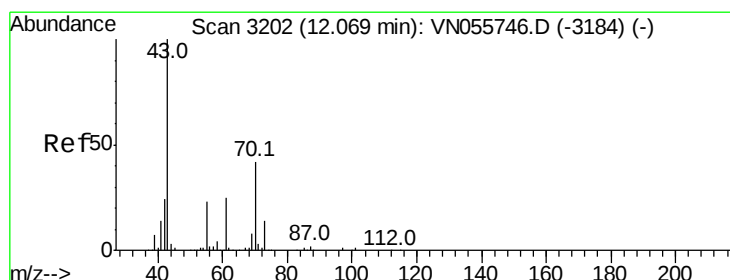
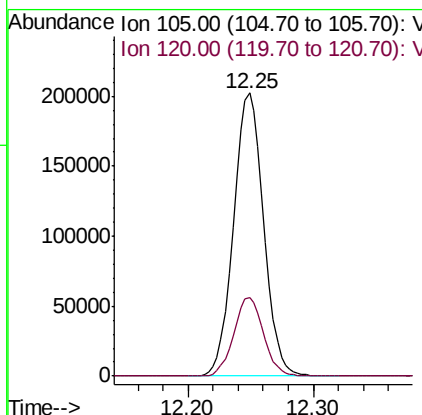
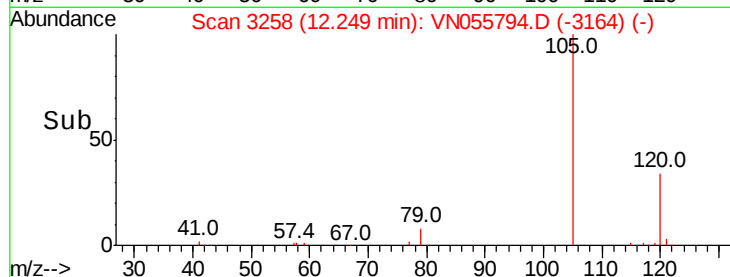
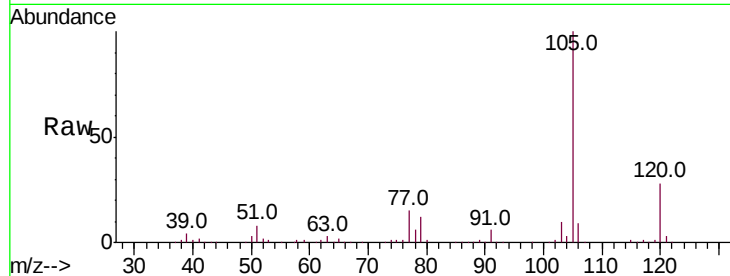
#73
Isopropylbenzene
Concen: 21.603 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN055794.D
Acq: 24 May 2019 14:27

Instrument :
MSVOA_N
ClientSampled :
VN0524MBSD01

Tot Ion: 105 Resp: 335434
Ion Ratio Lower Upper
105 100
120 27.4 13.6 40.7

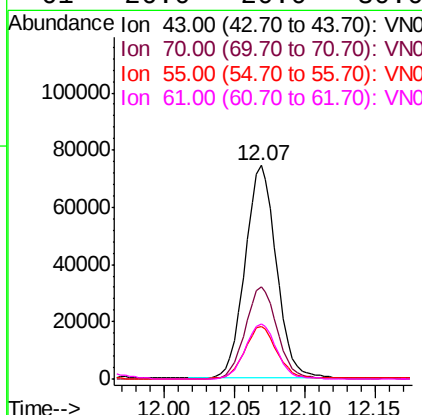
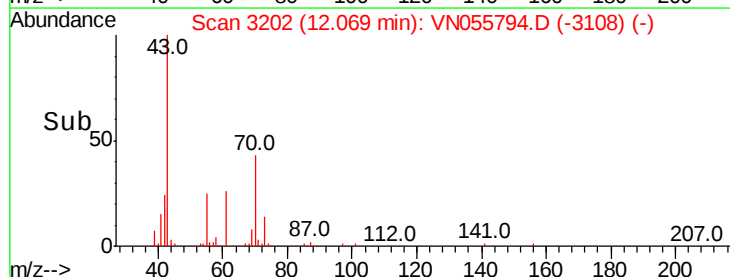
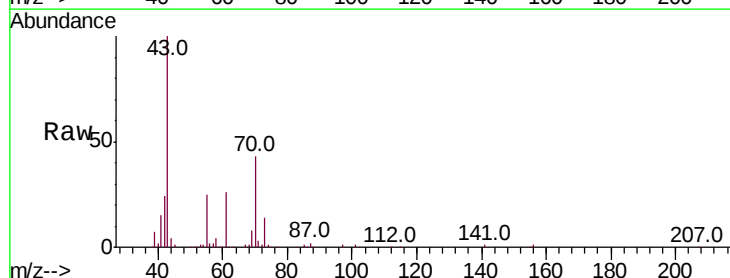
Manual Integrations
APPROVED

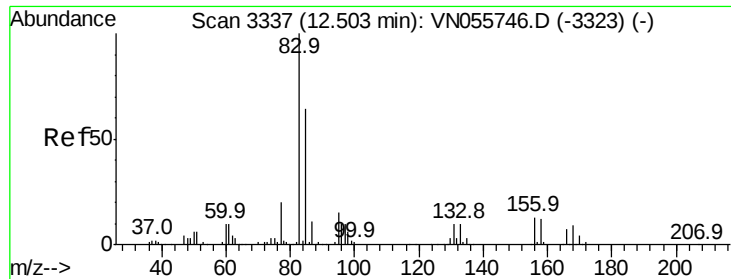
MMDadoda
5/28/2019 10:35:54 AM



#74
N-ethyl acetate
Concen: 19.603 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN055794.D
Acq: 24 May 2019 14:27

Tgt Ion: 43 Resp: 115926
Ion Ratio Lower Upper
43 100
70 44.5 34.0 51.0
55 24.7 18.6 28.0
61 26.0 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 21.672 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055794.D

Acq: 24 May 2019 14:27

Instrument :

MSVOA_N

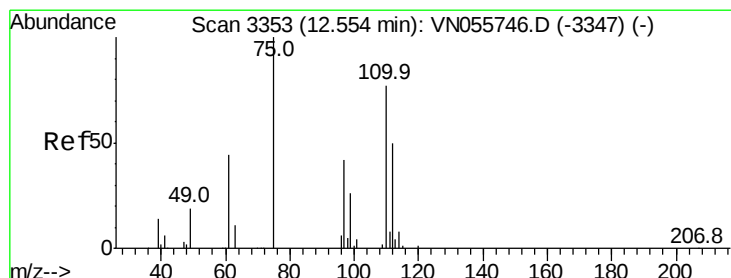
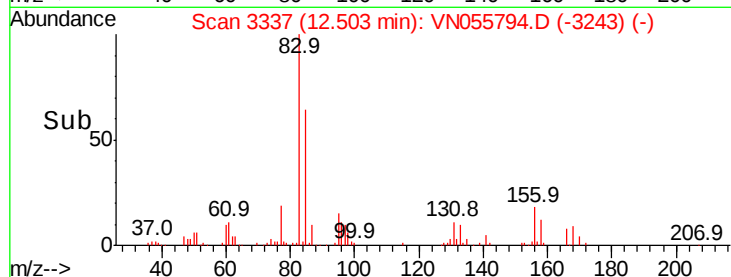
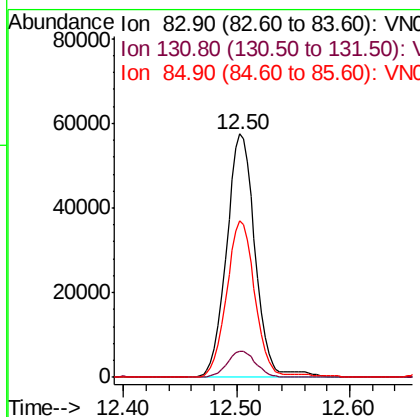
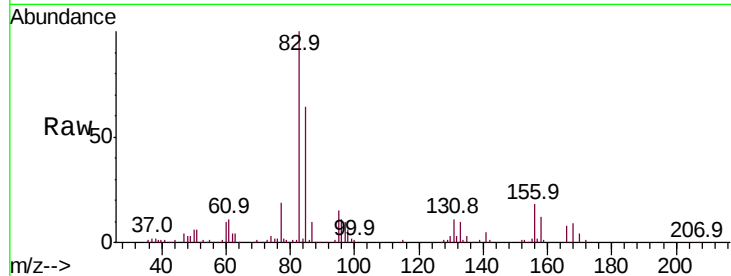
ClientSampleId :

VN0524MBSD01

Tot Ion:	83	Resp:	101193
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.4	16.2
85	63.2	32.4	97.0

Manual Integrations
APPROVED

MMDadoda
5/28/2019 10:35:54 AM



#76

1,2,3-Trichloropropane

Concen: 23.710 ug/l m

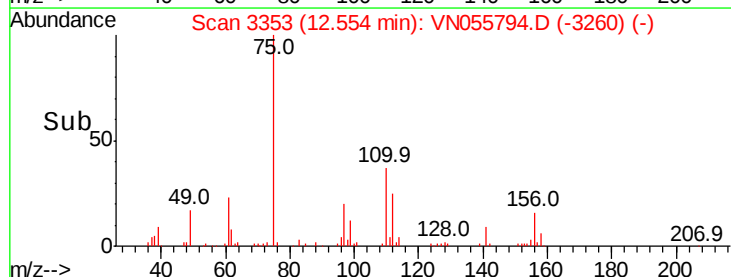
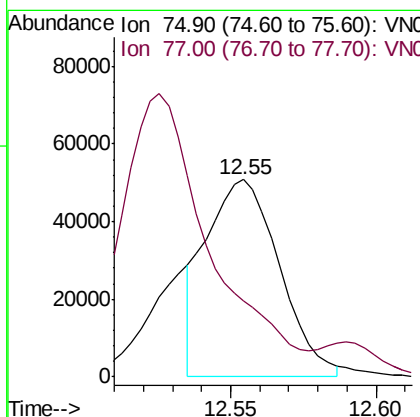
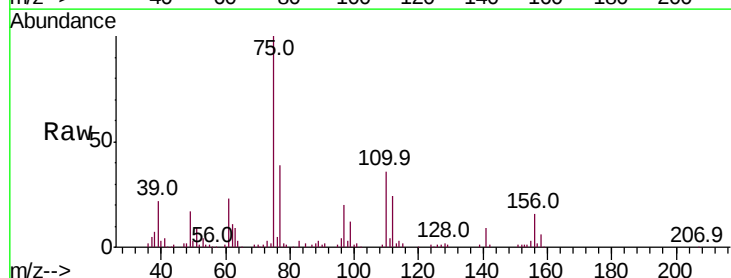
RT: 12.55 min Scan# 3353

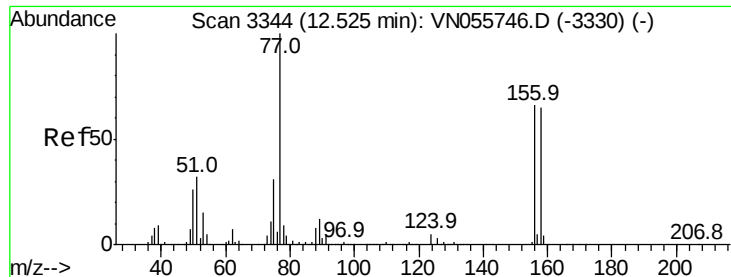
Delta R.T. 0.00 min

Lab File: VN055794.D

Acq: 24 May 2019 14:27

Tgt Ion:	75	Resp:	89090
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 27.737 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055794.D

Acq: 24 May 2019 14:27

Instrument :

MSVOA_N

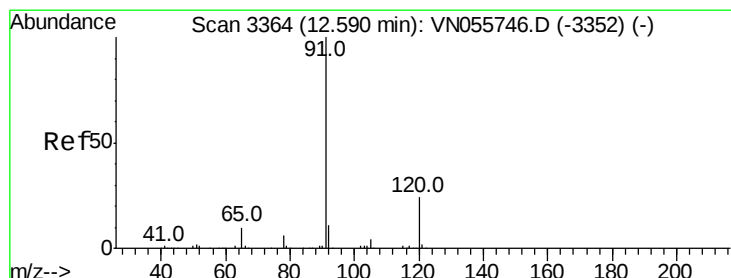
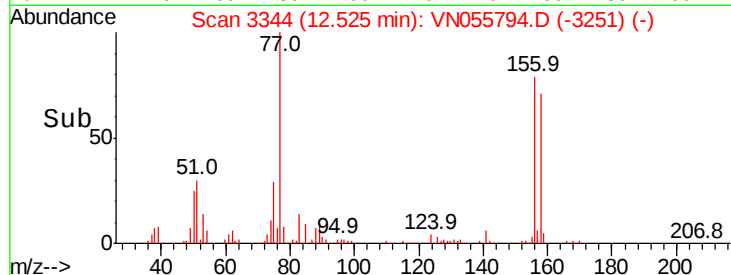
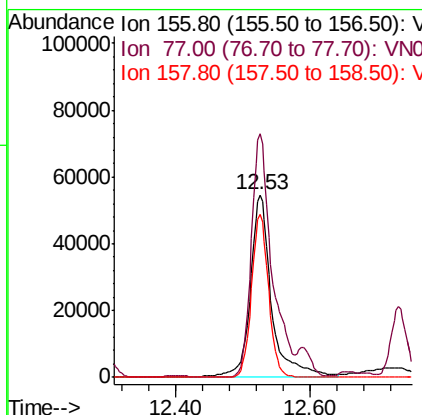
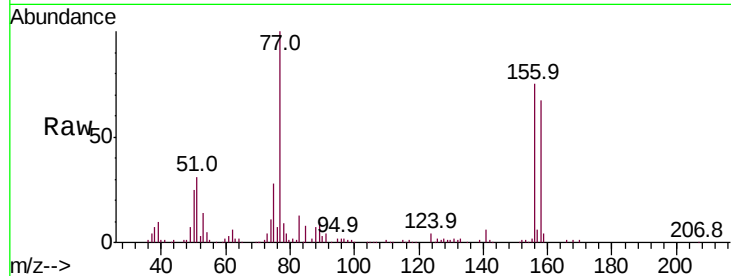
ClientSampleId :

VN0524MBSD01

Tot Ion:	156	Resp:	120730
Ion Ratio	Lower	Upper	
156	100		
77	129.2	90.8	272.5
158	70.9	49.3	147.8

Manual Integrations
APPROVED

MMDadoda
5/28/2019 10:35:54 AM



#78

n-propylbenzene

Concen: 19.928 ug/l

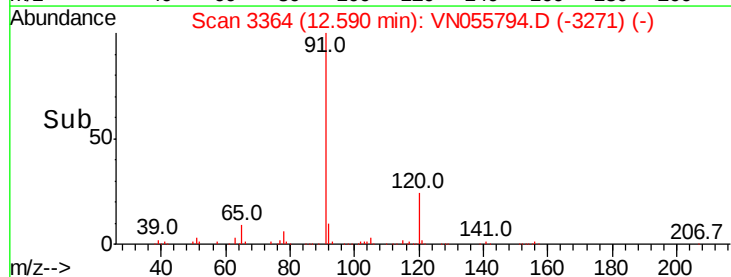
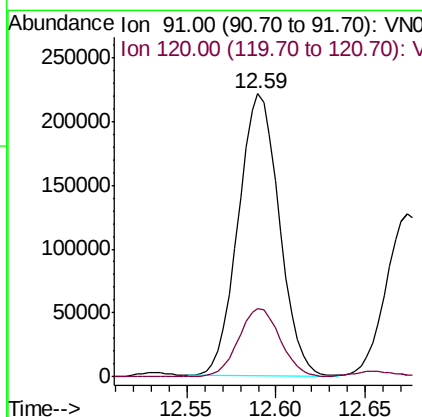
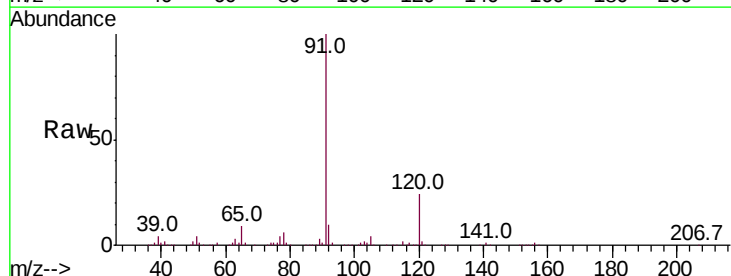
RT: 12.59 min Scan# 3364

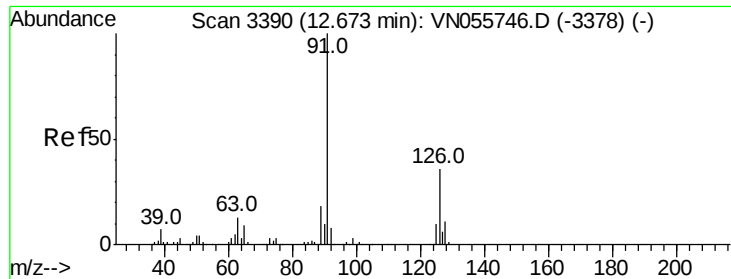
Delta R.T. 0.00 min

Lab File: VN055794.D

Acq: 24 May 2019 14:27

Tgt Ion:	91	Resp:	353285
Ion Ratio	Lower	Upper	
91	100		
120	24.6	12.0	36.0





#79

2-Chlorotoluene

Concen: 21.313 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055794.D

Acq: 24 May 2019 14:27

Instrument :

MSVOA_N

ClientSampleId :

VN0524MBSD01

Tot Ion: 91 Resp: 217484

Ion Ratio Lower Upper

91 100

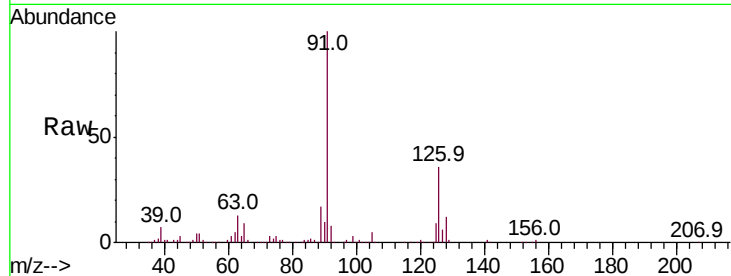
126 35.8 18.1 54.4

Manual Integrations

APPROVED

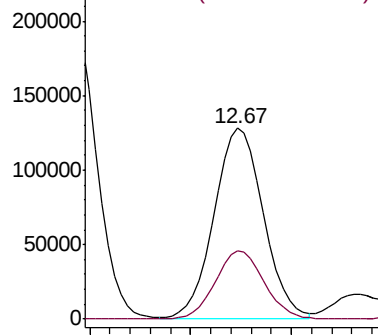
MMDadoda

5/28/2019 10:35:54 AM

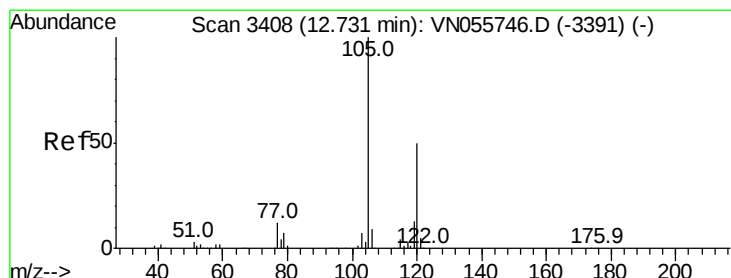
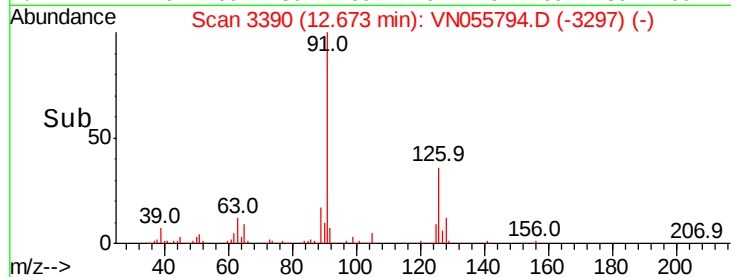


Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V



Time--> 12.60 12.65 12.70



#80

1,3,5-Trimethylbenzene

Concen: 21.607 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055794.D

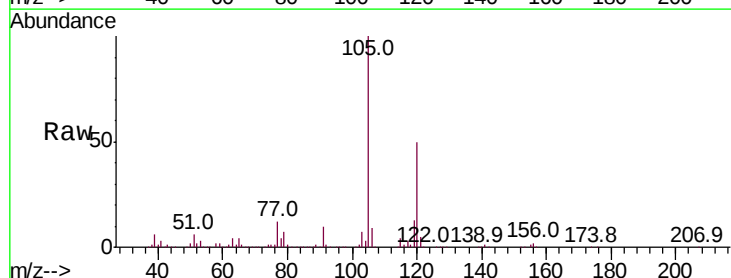
Acq: 24 May 2019 14:27

Tgt Ion:105 Resp: 281646

Ion Ratio Lower Upper

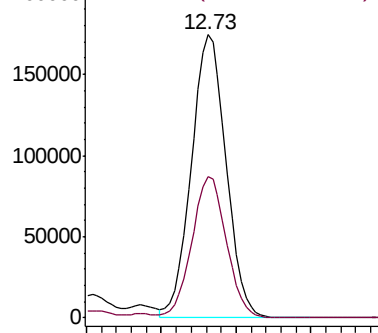
105 100

120 49.8 24.7 74.1

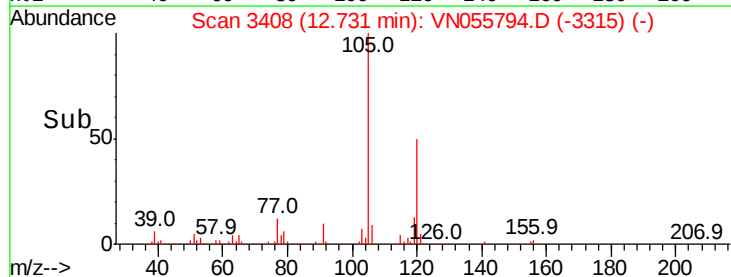


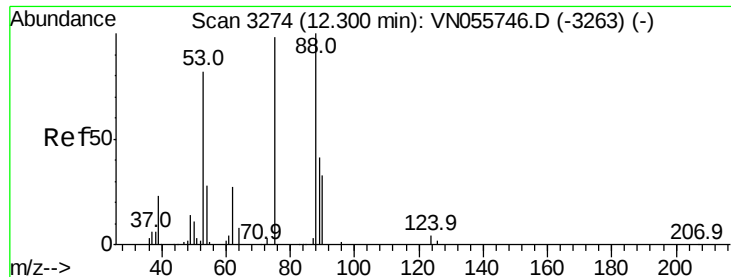
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time--> 12.65 12.70 12.75 12.80





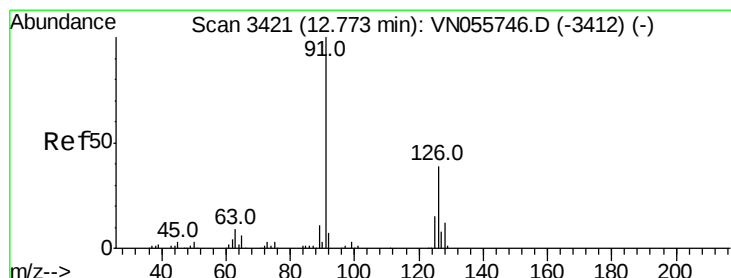
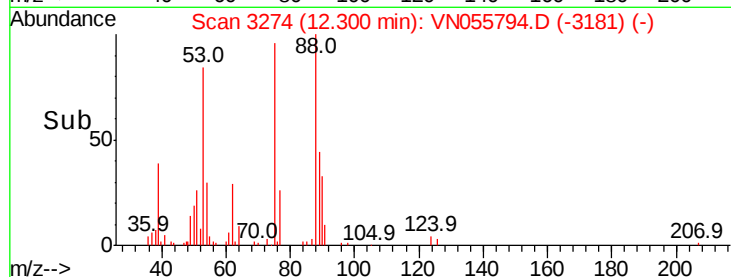
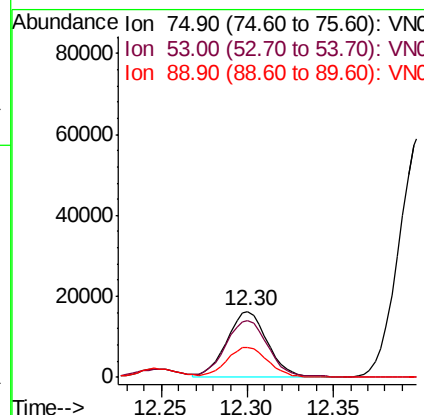
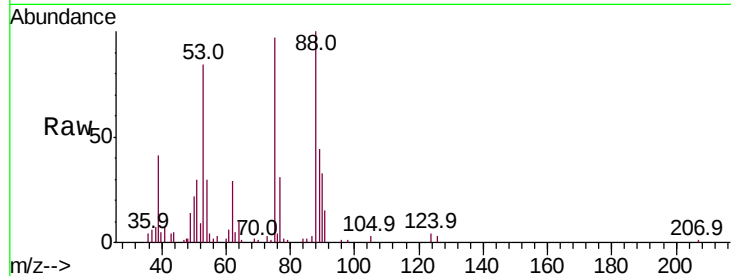
#81
trans-1,4-Dichloro-2-butene
Concen: 17.832 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN055794.D
Acq: 24 May 2019 14:27

Instrument :
MSVOA_N
ClientSampled :
VN0524MBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	89.9	68.1	102.1
89	46.0	36.9	55.3

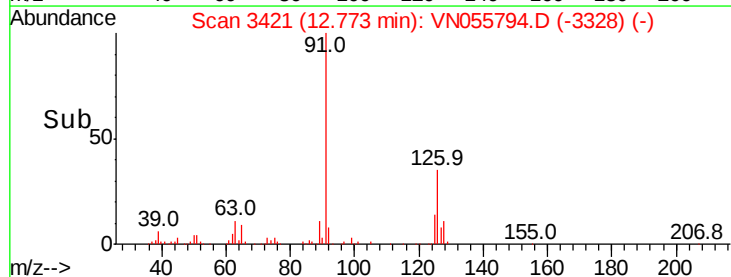
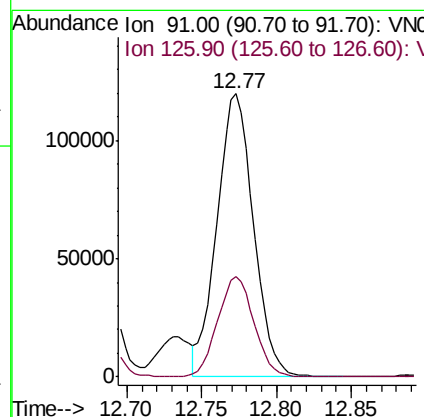
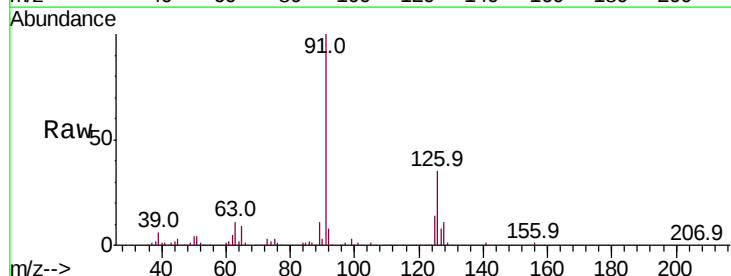
Manual Integrations
APPROVED

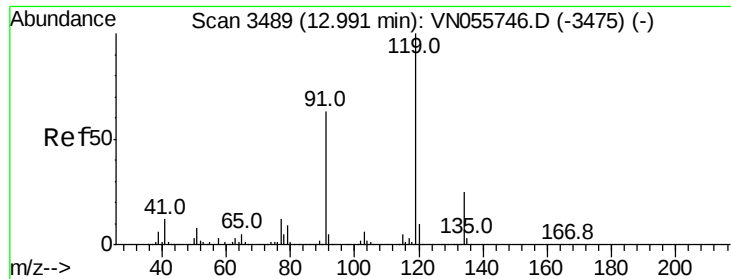
MMDadoda
5/28/2019 10:35:54 AM



#82
4-Chlorotoluene
Concen: 19.480 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN055794.D
Acq: 24 May 2019 14:27

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.4	17.8	53.3





#83

tert-Butylbenzene

Concen: 21.167 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN055794.D

Acq: 24 May 2019 14:27

Instrument :

MSVOA_N

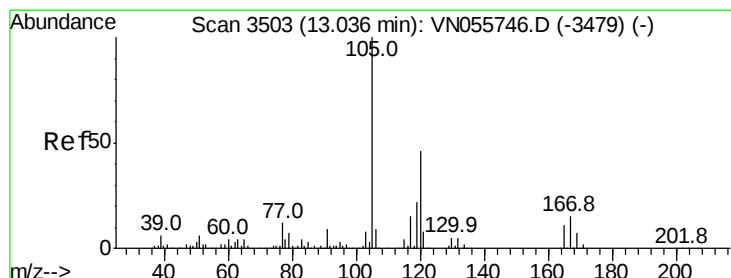
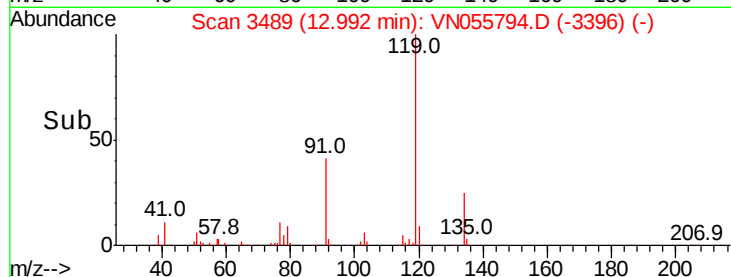
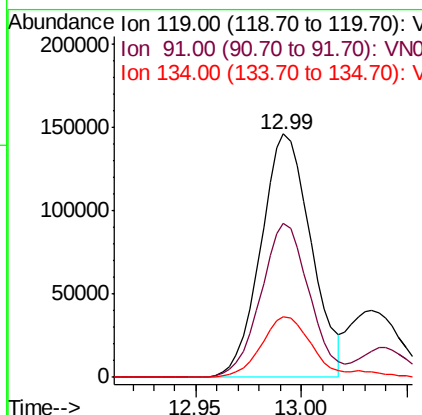
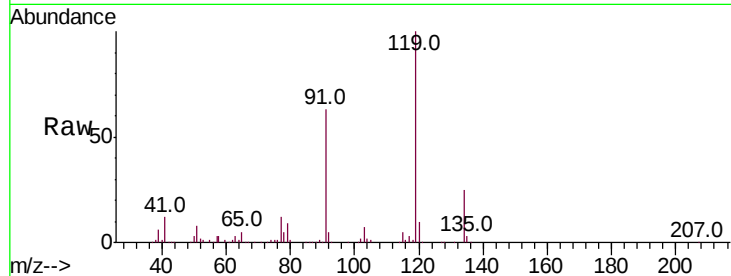
ClientSampleId :

VN0524MBSD01

Tot Ion:	119	Resp:	241881
Ion Ratio	Lower	Upper	
119	100		
91	61.4	30.9	92.8
134	24.8	13.3	39.8

Manual Integrations
APPROVED

MMDadoda
5/28/2019 10:35:54 AM



#84

1,2,4-Trimethylbenzene

Concen: 23.389 ug/l

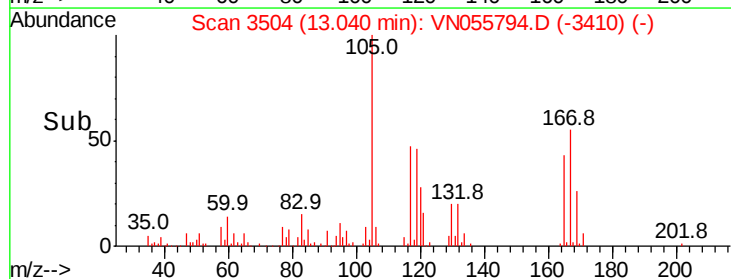
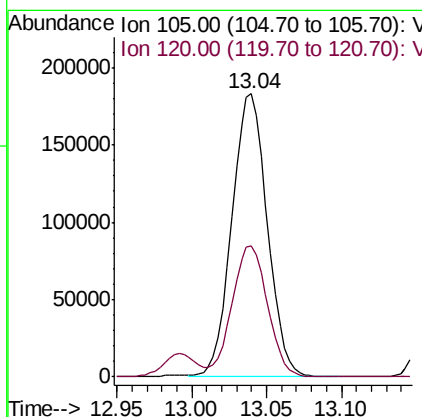
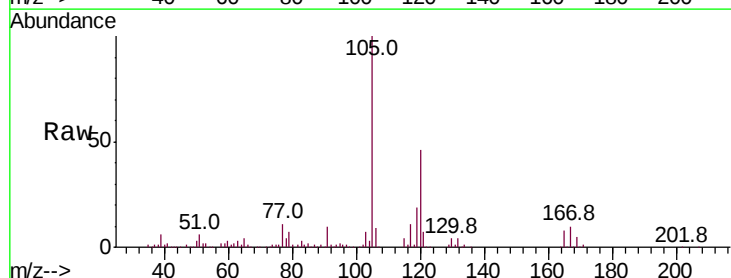
RT: 13.04 min Scan# 3504

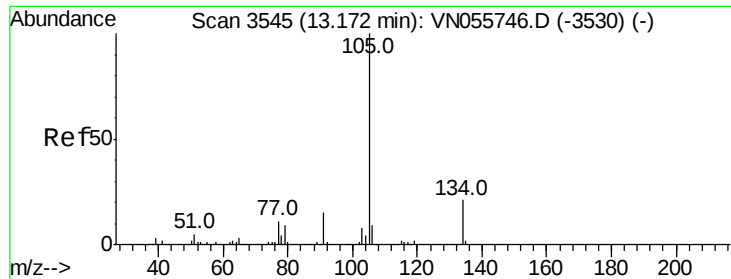
Delta R.T. 0.00 min

Lab File: VN055794.D

Acq: 24 May 2019 14:27

Tgt Ion:	105	Resp:	300375
Ion Ratio	Lower	Upper	
105	100		
120	46.5	23.0	69.0





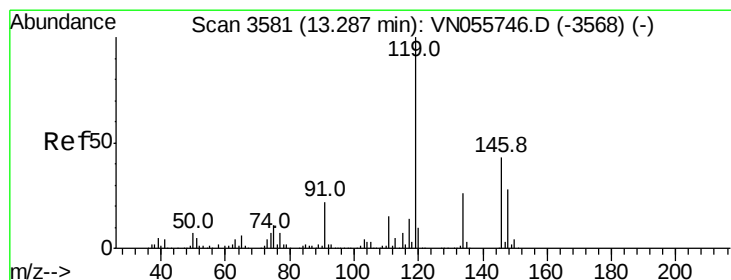
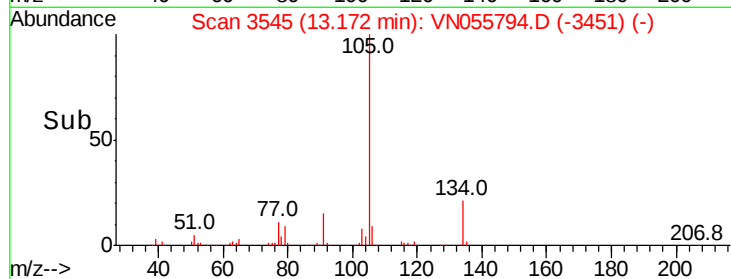
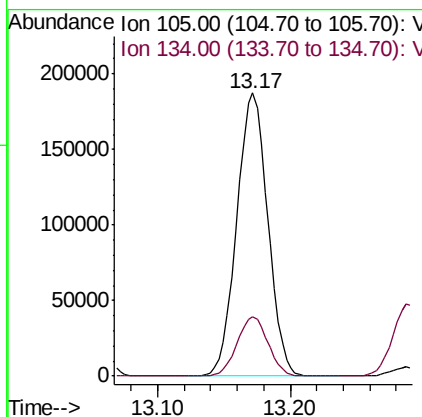
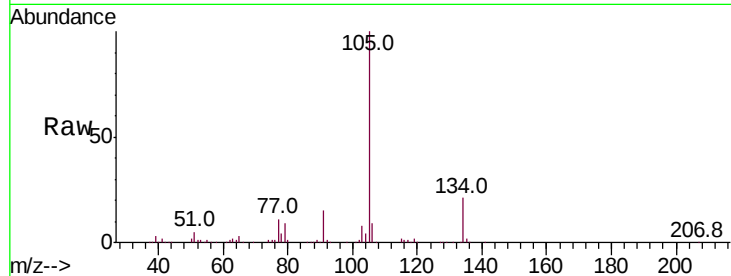
#85
 sec-Butylbenzene
 Concen: 20.817 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN055794.D
 Acq: 24 May 2019 14:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524MBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.9	10.4	31.2

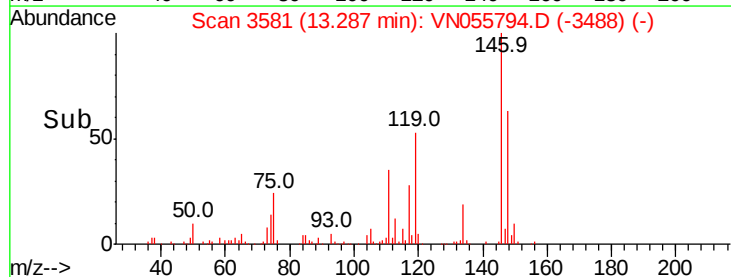
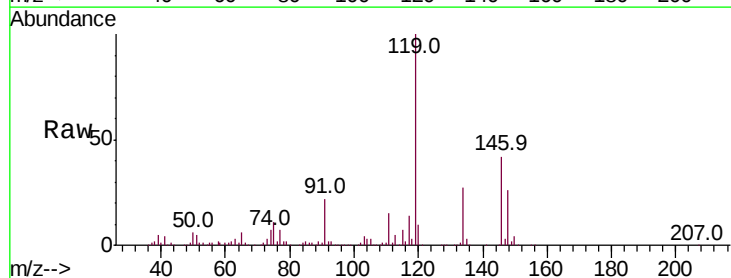
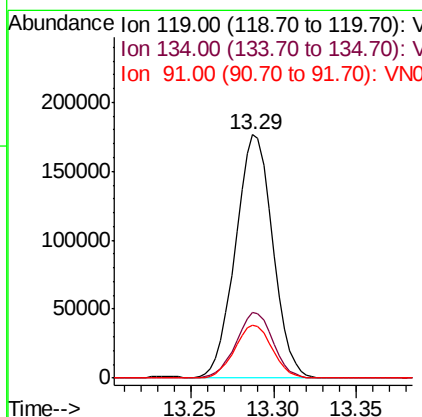
Manual Integrations
 APPROVED

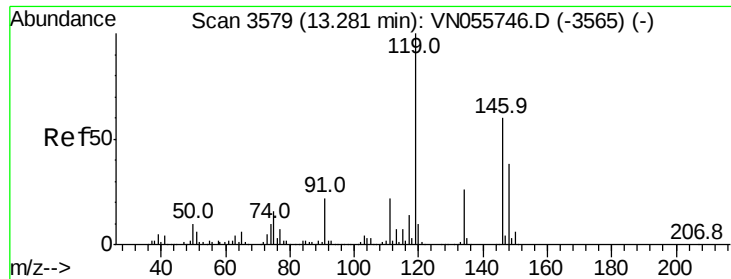
MMDadoda
 5/28/2019 10:35:54 AM



#86
 p-Isopropyltoluene
 Concen: 19.416 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN055794.D
 Acq: 24 May 2019 14:27

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.9	13.4	40.1
91	21.6	10.9	32.9





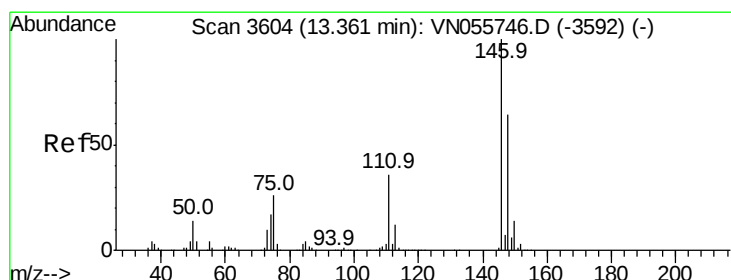
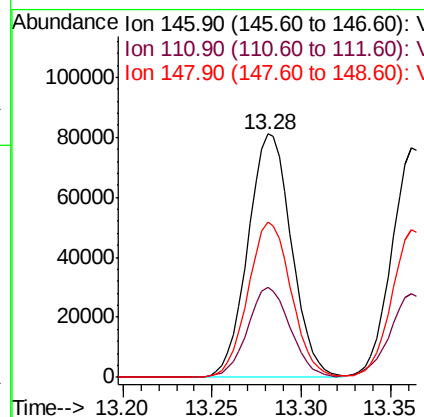
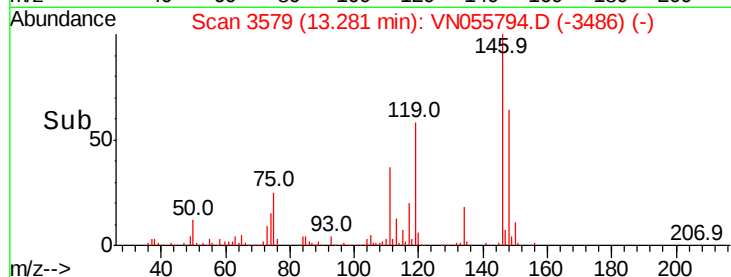
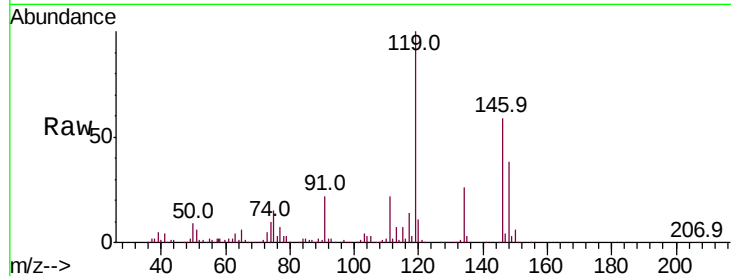
#87
 1,3-Dichlorobenzene
 Concen: 20.029 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055794.D
 Acq: 24 May 2019 14:27

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0524MBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.4	18.5	55.5
148	63.5	32.0	96.2

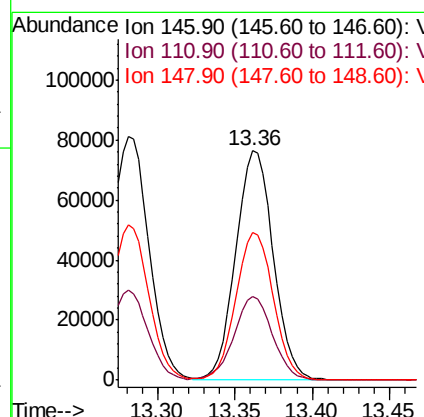
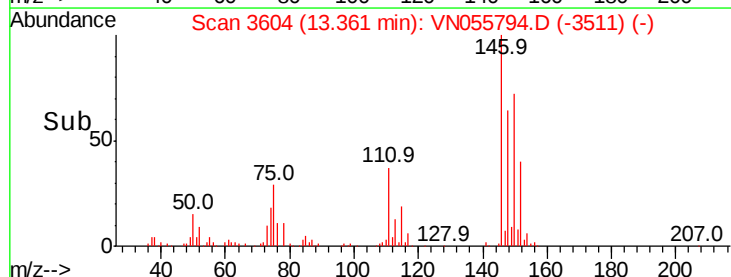
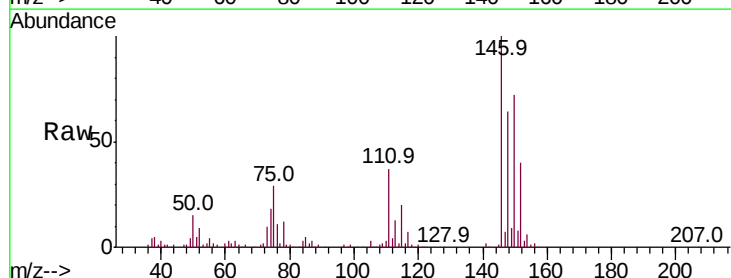
Manual Integrations
 APPROVED

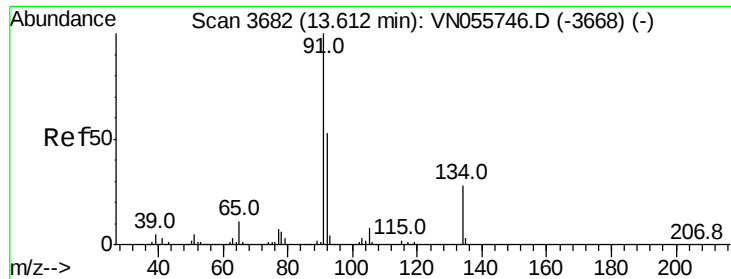
MMDadoda
 5/28/2019 10:35:54 AM



#88
 1,4-Dichlorobenzene
 Concen: 19.675 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055794.D
 Acq: 24 May 2019 14:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.1	54.4
148	64.4	32.1	96.5





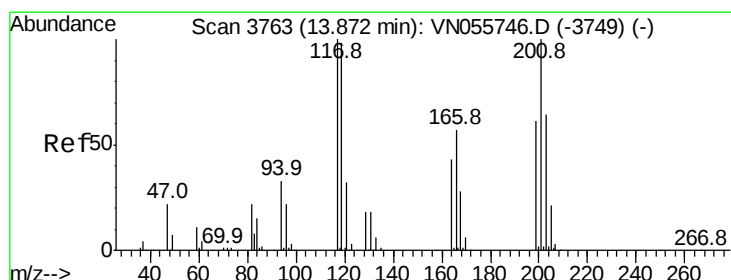
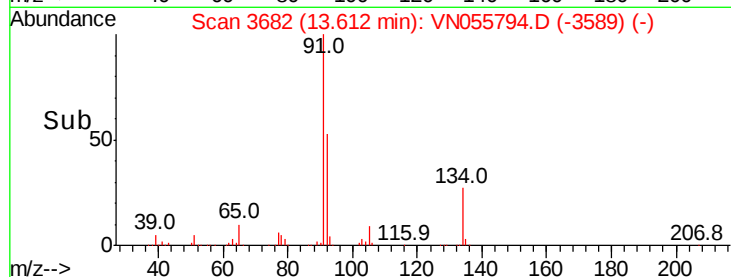
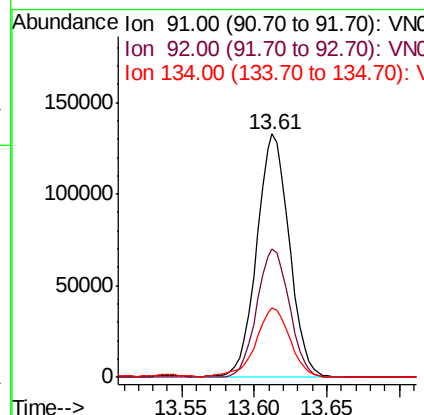
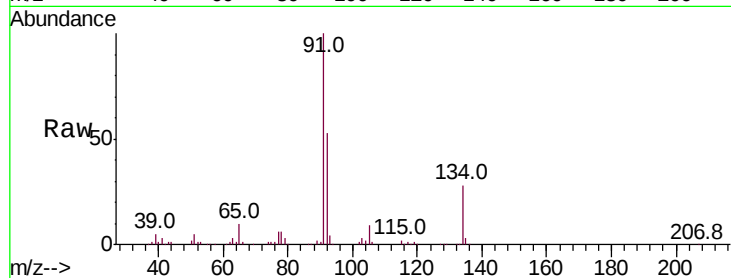
#89
n-Butylbenzene
Concen: 19.022 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055794.D
Acq: 24 May 2019 14:27

Instrument :
MSVOA_N
ClientSampleId :
VN0524MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	53.2	26.4	79.0	
134	30.4	13.9	41.7	

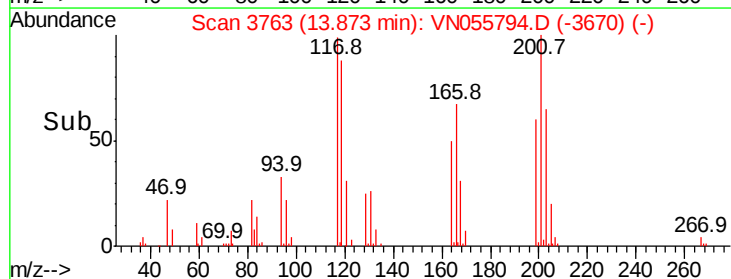
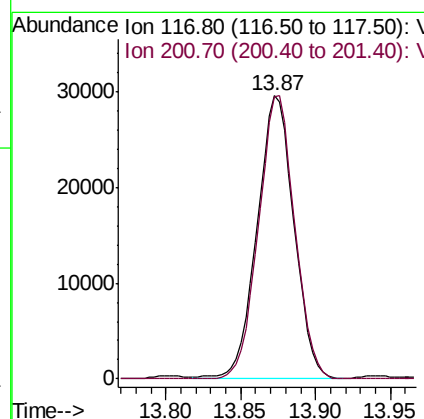
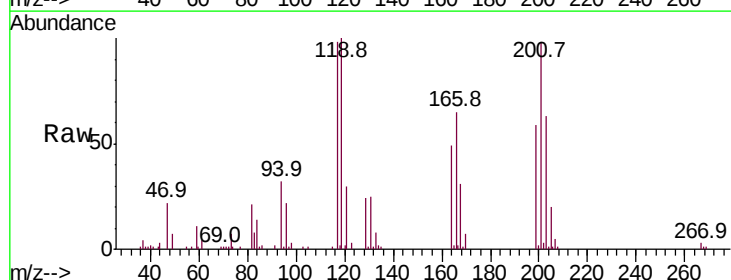
Manual Integrations
APPROVED

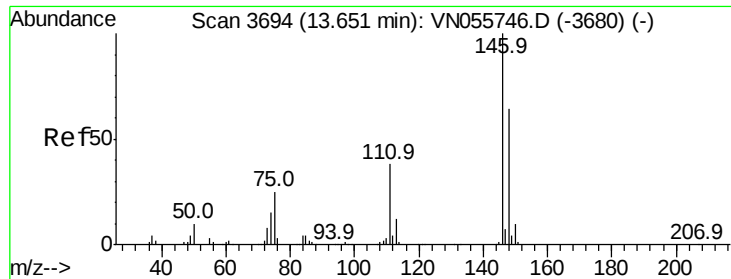
MMDadoda
5/28/2019 10:35:54 AM



#90
Hexachloroethane
Concen: 18.827 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055794.D
Acq: 24 May 2019 14:27

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	97.9	50.0	150.0	





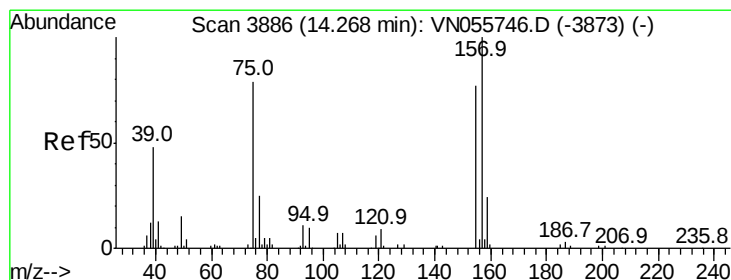
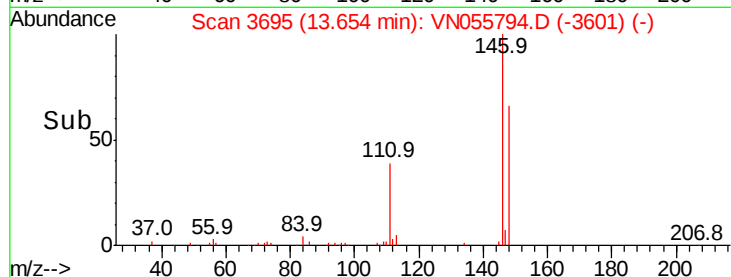
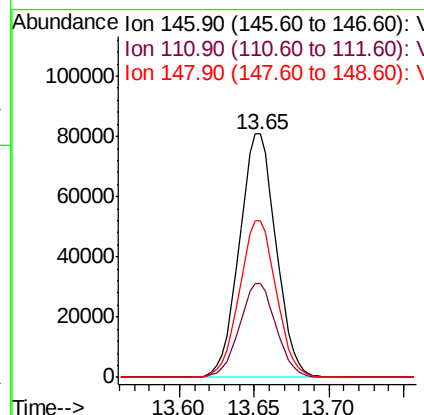
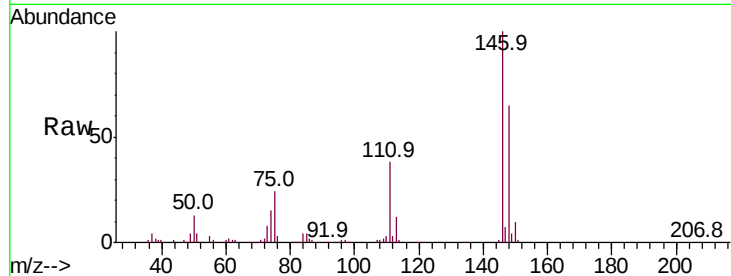
#91
 1,2-Dichlorobenzene
 Concen: 20.041 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN055794.D
 Acq: 24 May 2019 14:27

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0524MBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.1	57.5
148	64.7	31.9	95.9

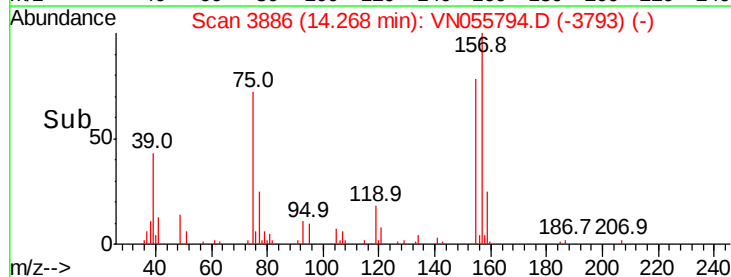
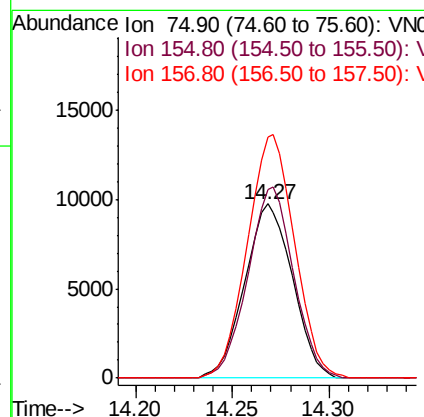
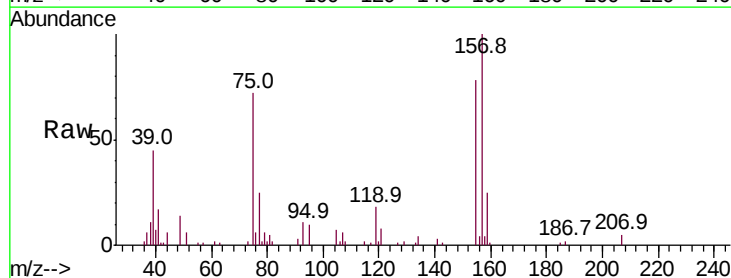
Manual Integrations
 APPROVED

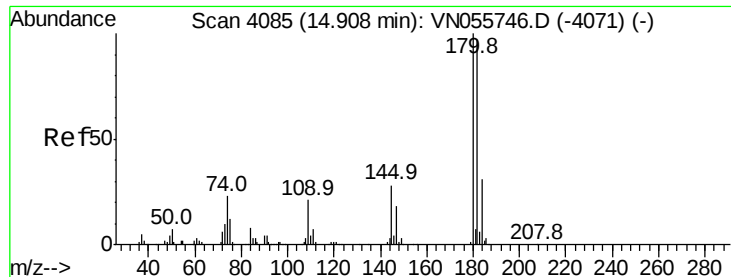
MMDadoda
 5/28/2019 10:35:54 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.495 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055794.D
 Acq: 24 May 2019 14:27

Tgt Ion	Ratio	Lower	Upper
75	100		
155	105.4	50.0	150.1
157	138.2	64.8	194.3





#93

1,2,4-Trichlorobenzene

Concen: 19.425 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN055794.D

Acq: 24 May 2019 14:27

Instrument :

MSVOA_N

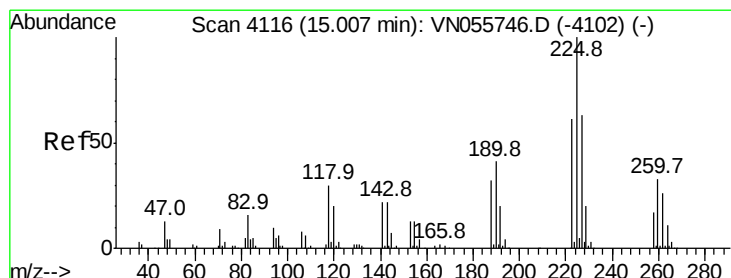
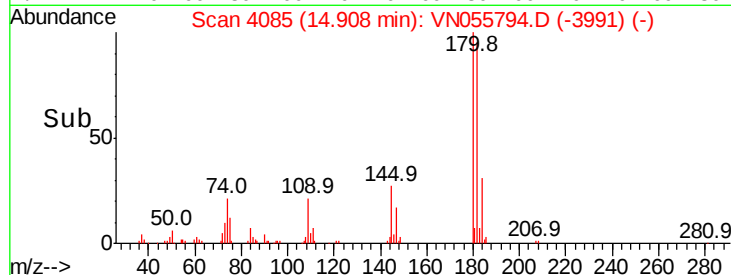
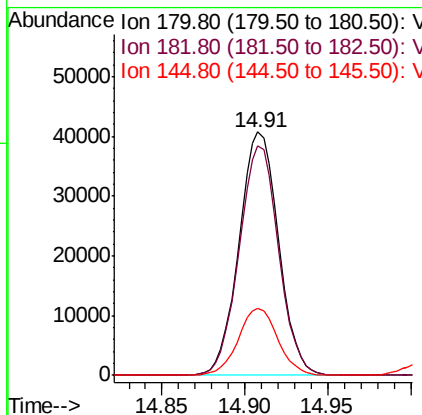
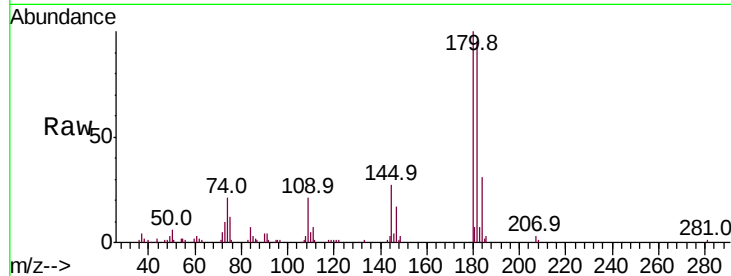
ClientSampleId :

VN0524MBSD01

Tot Ion:	180	Resp:	67361
Ion Ratio	Lower	Upper	
180	100		
182	94.2	48.3	144.9
145	27.5	14.0	41.9

Manual Integrations
APPROVED

MMDadoda
5/28/2019 10:35:54 AM



#94

Hexachlorobutadiene

Concen: 19.479 ug/l

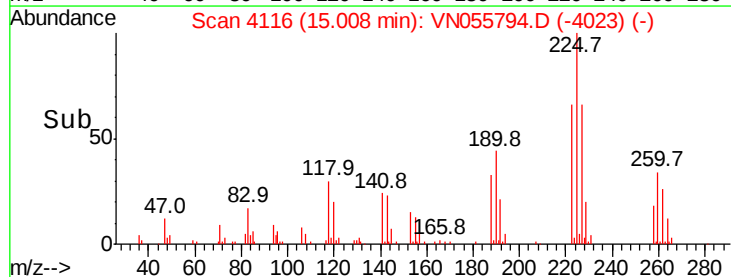
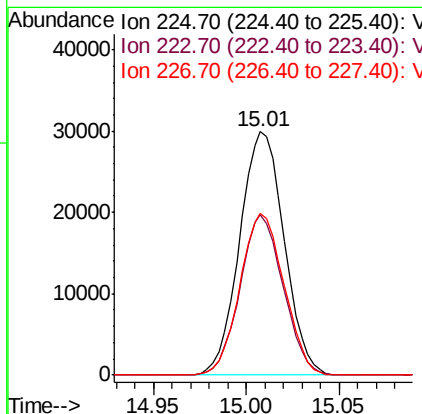
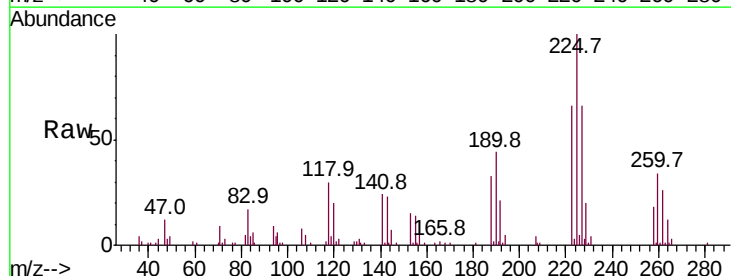
RT: 15.01 min Scan# 4116

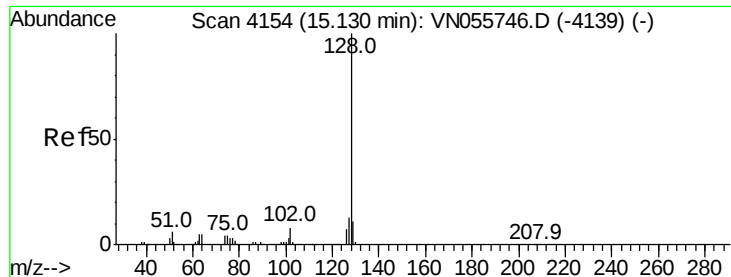
Delta R.T. 0.00 min

Lab File: VN055794.D

Acq: 24 May 2019 14:27

Tgt Ion:	225	Resp:	49837
Ion Ratio	Lower	Upper	
225	100		
223	63.6	30.9	92.7
227	65.5	31.6	94.7





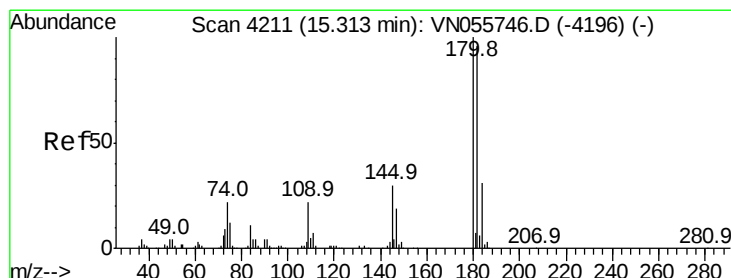
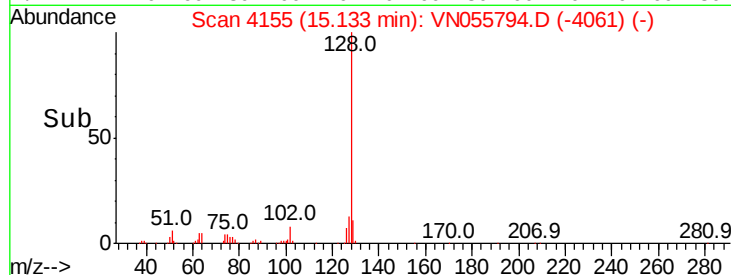
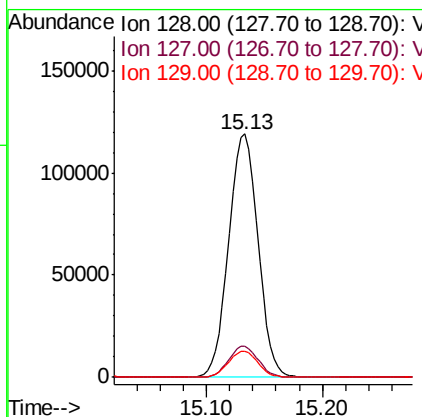
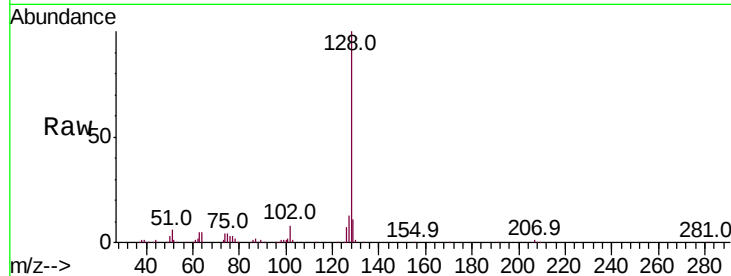
#95
Naphthalene
Concen: 22.097 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN055794.D
Acq: 24 May 2019 14:27

Instrument :
MSVOA_N
ClientSampleId :
VN0524MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	208503		
127	12.9		10.3	15.5
129	10.9		8.7	13.1

Manual Integrations
APPROVED

MMDadoda
5/28/2019 10:35:54 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.780 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN055794.D
Acq: 24 May 2019 14:27

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	71897		
182	96.6		47.9	143.7
145	29.2		14.9	44.7

