

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN090919\
 Data File : VN057796.D
 Acq On : 9 Sep 2019 12:52
 Operator : JC/SP
 Sample : VN0909WBSD01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0909WBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 11:05:04 AM

Quant Time: Sep 09 16:20:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N090919W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Sep 09 12:14:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	69388	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	413395	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	373668	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	186268	30.35	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.17%
60) 4-Bromofluorobenzene	12.40	95	189532	29.64	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.80%
63) Toluene-d8	10.09	98	540864	30.16	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.53%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	87485	20.868 ug/l	96
3) Chloromethane	2.03	50	107112	20.490 ug/l	98
4) Vinyl Chloride	2.16	62	110521	20.664 ug/l	98
5) Bromomethane	2.54	94	70883	21.236 ug/l	91
6) Chloroethane	2.68	64	68381	20.572 ug/l	93
7) Trichlorofluoromethane	3.00	101	120959	19.575 ug/l	99
8) Diethyl Ether	3.39	74	51140	20.516 ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	79913	20.711 ug/l	98
10) 1,1-Dichloroethene	3.71	96	76555	20.865 ug/l	94
11) Methyl Iodide	3.93	142	97514	19.865 ug/l	98
12) Methyl Acetate	4.30	43	102954	20.447 ug/l	98
13) Acrolein	3.59	56	23710	86.789 ug/l	96
14) Acrylonitrile	4.96	53	215008	104.748 ug/l #	92
15) Acetone	3.80	58	56352	96.703 ug/l	94
16) Carbon Disulfide	4.03	76	164574	19.263 ug/l	99
17) Allyl chloride	4.30	41	135826	20.203 ug/l	94
18) Methylene Chloride	4.53	84	96385	20.847 ug/l	97
19) trans-1,2-Dichloroethene	5.02	96	81724	19.985 ug/l	97
20) Diisopropyl ether	5.93	45	321101	20.429 ug/l	97
21) 1,1-Dichloroethane	5.83	63	178580	20.606 ug/l	99
22) cis-1,2-Dichloroethene	6.81	96	104342	20.825 ug/l	97
23) tert-Butyl Alcohol	4.77	59	69243	103.333 ug/l #	100
24) Methyl tert-Butyl Ether	5.02	73	289135	20.560 ug/l #	100
25) Chloroform	7.36	83	180685	20.478 ug/l	100
26) Cyclohexane	7.64	56	149280	20.501 ug/l #	98
29) 1,1-Dichloropropene	7.78	75	129939	19.981 ug/l	99
30) 2-Butanone	6.82	43	293357	100.044 ug/l	100
31) 2,2-Dichloropropane	6.80	77	133041	19.377 ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	142225	19.451 ug/l	97
33) Carbon Tetrachloride	7.76	117	116970	19.610 ug/l	97
34) Benzene	8.03	78	393256	20.408 ug/l	99
35) Methacrylonitrile	7.16	41	48486	17.827 ug/l	97
36) 1,2-Dichloroethane	8.11	62	149978	20.057 ug/l	99
37) Trichloroethene	8.83	130	90743	19.389 ug/l	94
38) Methylcyclohexane	9.07	83	146396	19.769 ug/l	99
39) 1,2-Dichloropropane	9.11	63	108918	20.127 ug/l	97
40) Dibromomethane	9.20	93	67398	20.477 ug/l	98

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MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	126808	19.110	ug/l	96
42) Vinyl Acetate	5.87	43	1265818	107.407	ug/l	99
43) Ethyl Acetate	6.91	43	114060	19.065	ug/l #	83
44) Isopropyl Acetate	8.15	43	208373	19.976	ug/l #	92
45) 1,4-Dioxane	9.19	88	32763	399.716	ug/l	97
46) Methyl methacrylate	9.19	41	102498	20.116	ug/l	99
47) n-amyl Acetate	12.07	43	183083	19.107	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	130186	18.429	ug/l	99
49) cis-1,3-Dichloropropene	9.83	75	150144	18.943	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	96830	20.282	ug/l	98
51) Ethyl methacrylate	10.43	69	144714	19.549	ug/l	99
52) 1,3-Dichloropropane	10.71	76	167498	20.062	ug/l	100
53) Dibromochloromethane	10.90	129	84963	18.020	ug/l	99
54) 1,2-Dibromoethane	11.00	107	94134	19.817	ug/l	99
55) 2-Chloroethyl vinyl ether	9.69	63	346773	98.584	ug/l	99
56) Bromoform	12.13	173	50942	17.441	ug/l	99
58) 4-Methyl-2-Pentanone	9.98	43	640543	110.538	ug/l	99
59) 2-Hexanone	10.75	43	457350	105.173	ug/l	100
61) Tetrachloroethene	10.63	164	75630	19.907	ug/l	97
62) Toluene	10.15	91	428484	20.709	ug/l	99
64) Chlorobenzene	11.43	112	256618	19.994	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	86265	19.357	ug/l	98
66) Ethyl Benzene	11.51	91	474481	21.012	ug/l	99
67) m/p-Xylenes	11.62	106	347127	40.276	ug/l	99
68) o-Xylene	11.95	106	167356	19.821	ug/l	99
69) Styrene	11.97	104	283090	19.664	ug/l	100
70) Isopropylbenzene	12.25	105	462238	20.707	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.51	83	139361	19.976	ug/l	100
72) 1,2,3-Trichloropropane	12.56	75	126744m	20.469	ug/l	
73) Bromobenzene	12.53	156	103089	19.290	ug/l	99
74) n-propylbenzene	12.59	91	541769	21.243	ug/l	99
75) 2-Chlorotoluene	12.68	91	316984	19.955	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	385659	20.289	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	31661	17.235	ug/l	95
78) 4-Chlorotoluene	12.78	91	322978	19.933	ug/l	99
79) tert-butylbenzene	13.00	119	334293	20.159	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	391139	20.652	ug/l	100
81) sec-Butylbenzene	13.17	105	448907	20.403	ug/l	99
82) p-Isopropyltoluene	13.29	119	398912	20.245	ug/l	99
83) 1,3-Dichlorobenzene	13.29	146	190005	19.128	ug/l	98
84) 1,4-Dichlorobenzene	13.37	146	189012	19.327	ug/l	98
85) n-Butylbenzene	13.62	91	362327	19.731	ug/l	99
86) Hexachloroethane	13.88	117	53634	17.089	ug/l	98
87) 1,2-Dichlorobenzene	13.66	146	191093	19.818	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	22193	18.068	ug/l	99
89) 1,2,4-Trichlorobenzene	14.91	180	112631	19.122	ug/l	99
90) Hexachlorobutadiene	15.01	225	50568	18.693	ug/l	99
91) Naphthalene	15.13	128	320980	19.805	ug/l	99
92) 1,2,3-Trichlorobenzene	15.30	180	108302	19.280	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

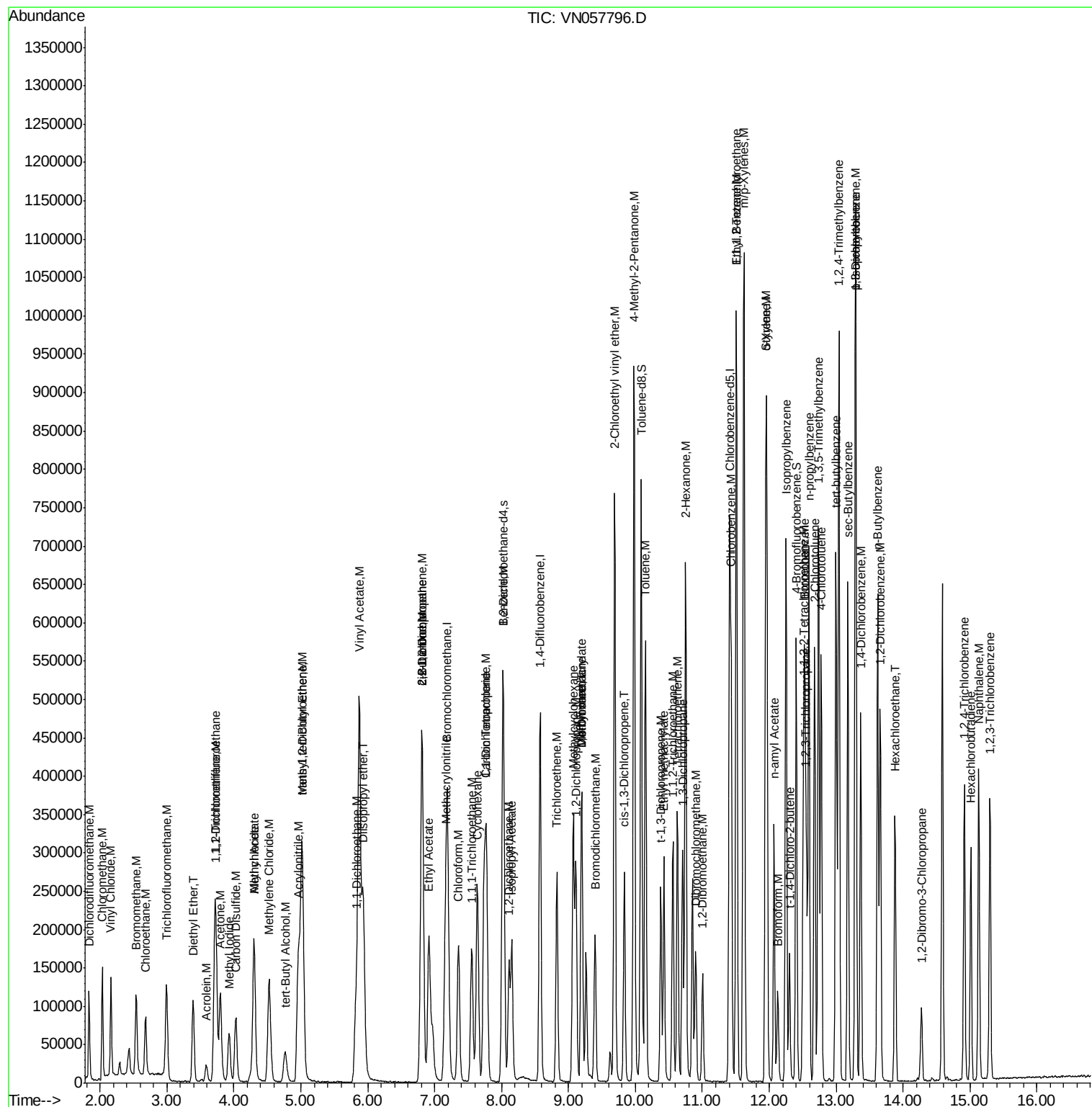
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN090919\
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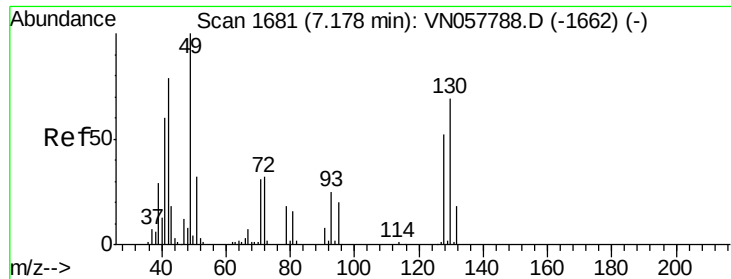
Instrument :
MSVOA_N
ClientSampleId :
VN0909WBSD01

Manual Integrations
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.18 min Scan# 1682

Delta R.T. 0.00 min

Lab File: VN057796.D

Acq: 9 Sep 2019 12:52

Instrument :

MSVOA_N

ClientSampleId :

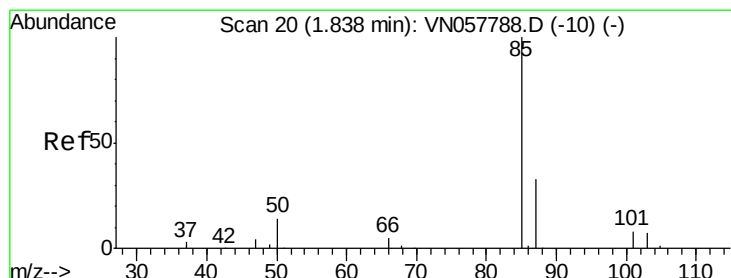
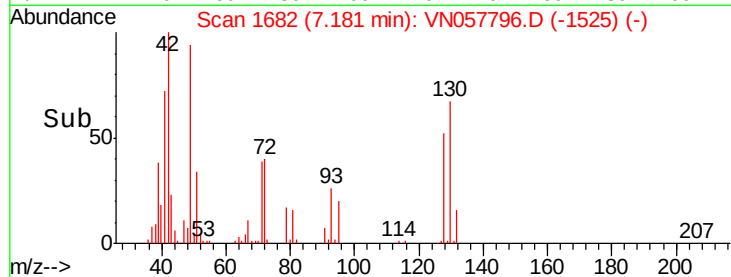
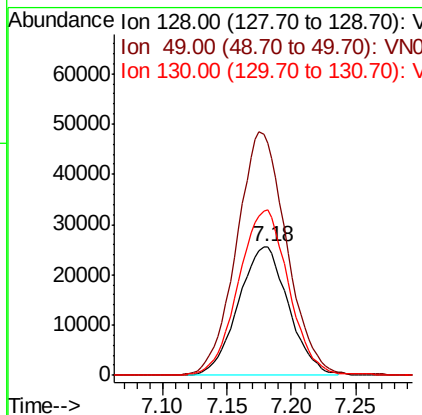
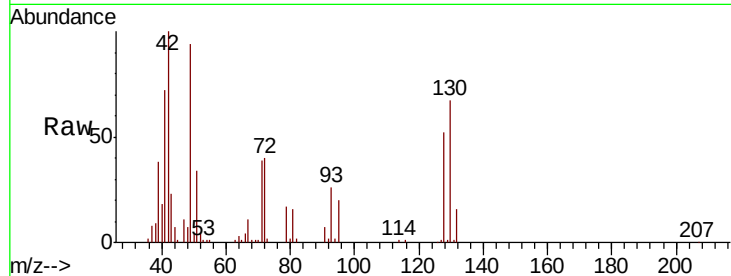
VN0909WBSD01

Tgt Ion:128 Resp: 69388

Ion	Ratio	Lower	Upper
128	100		
49	188.9	0.0	486.5
130	128.6	0.0	324.5

Manual Integrations
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9/13/2019 11:05:04 AM



#2

Dichlorodifluoromethane

Concen: 20.868 ug/l

RT: 1.83 min Scan# 19

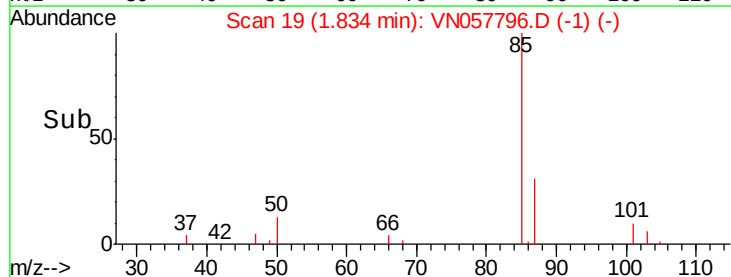
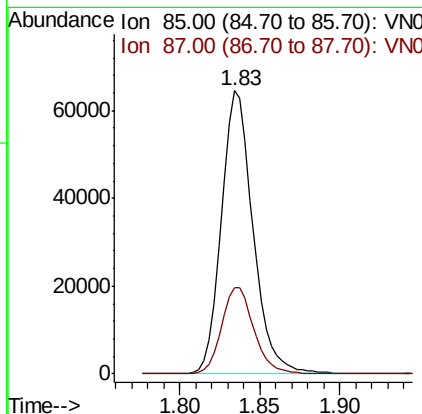
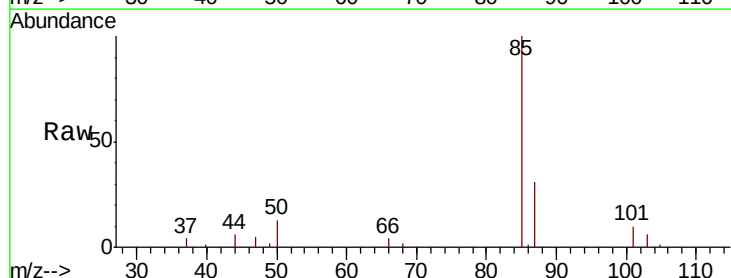
Delta R.T. -0.00 min

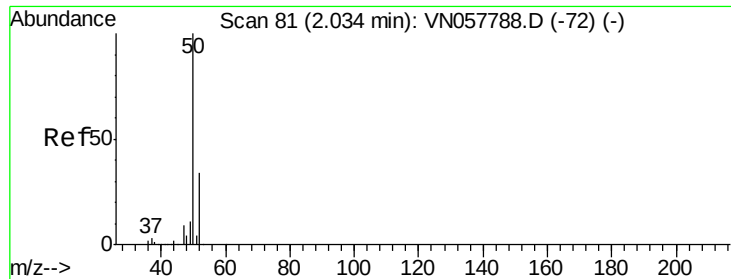
Lab File: VN057796.D

Acq: 9 Sep 2019 12:52

Tgt Ion: 85 Resp: 87485

Ion	Ratio	Lower	Upper
85	100		
87	30.5	16.4	49.4





#3

Chloromethane

Concen: 20.490 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN057796.D

Acq: 9 Sep 2019 12:52

Instrument :

MSVOA_N

ClientSampleId :

VN0909WBSD01

Tgt Ion: 50 Resp: 107112

Ion Ratio Lower Upper

50 100

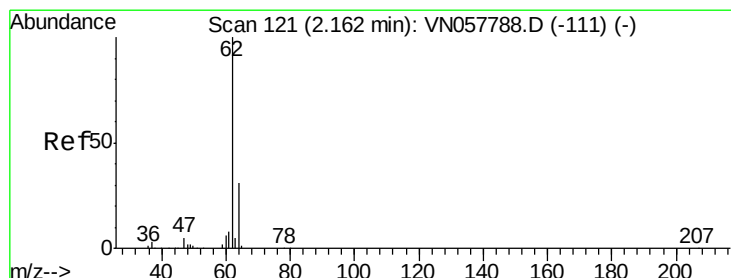
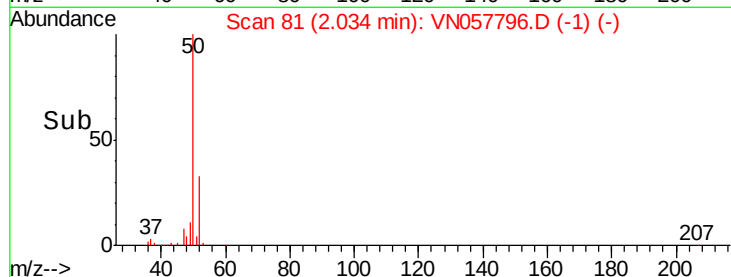
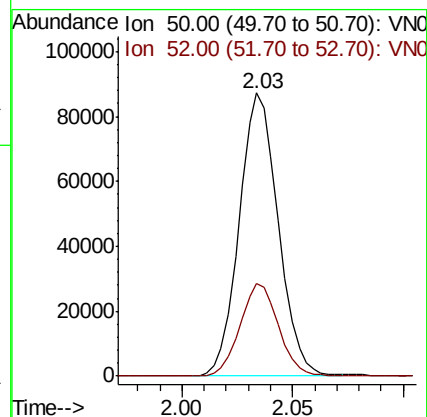
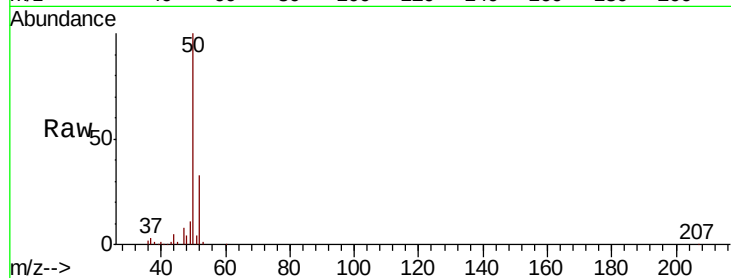
52 32.6 26.9 40.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.664 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN057796.D

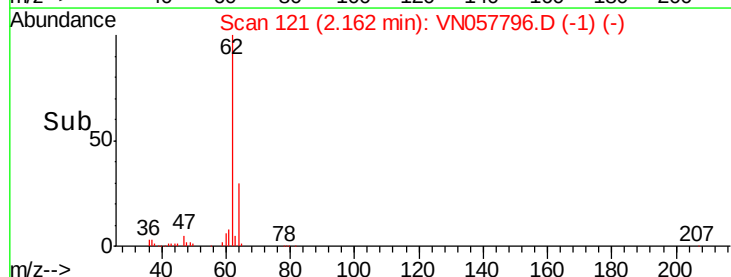
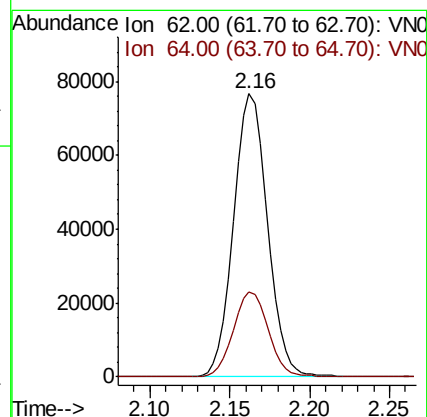
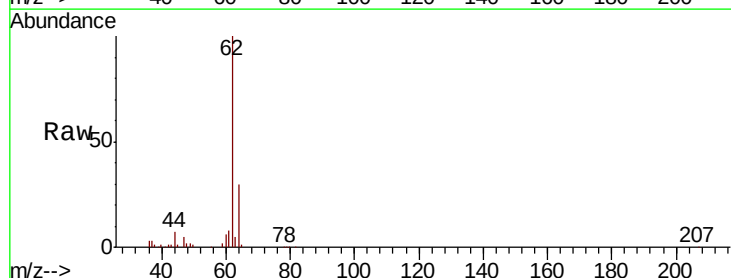
Acq: 9 Sep 2019 12:52

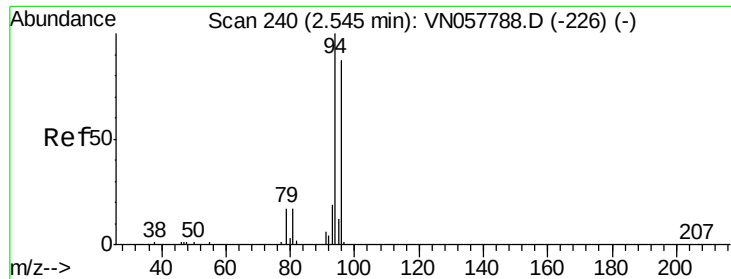
Tgt Ion: 62 Resp: 110521

Ion Ratio Lower Upper

62 100

64 30.1 25.0 37.6





#5

Bromomethane

Concen: 21.236 ug/l

RT: 2.54 min Scan# 238

Delta R.T. -0.01 min

Lab File: VN057796.D

Acq: 9 Sep 2019 12:52

Instrument :

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ClientSampleId :

VN0909WBSD01

Tgt Ion: 94 Resp: 70883

Ion Ratio Lower Upper

94 100

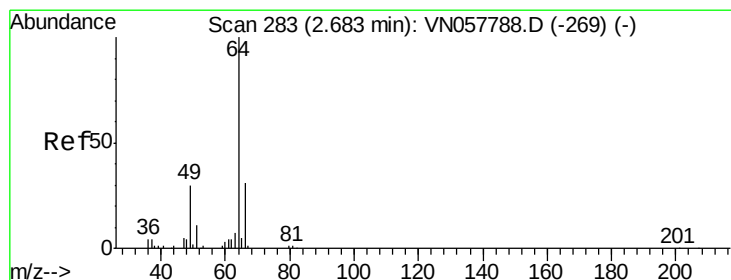
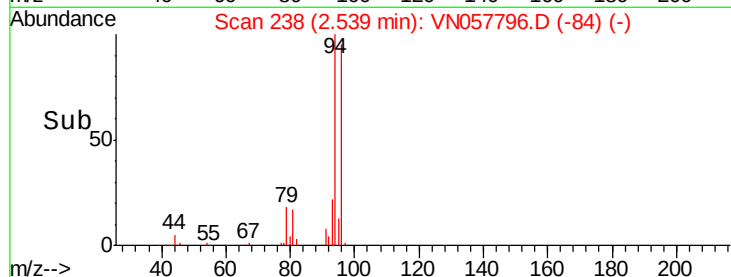
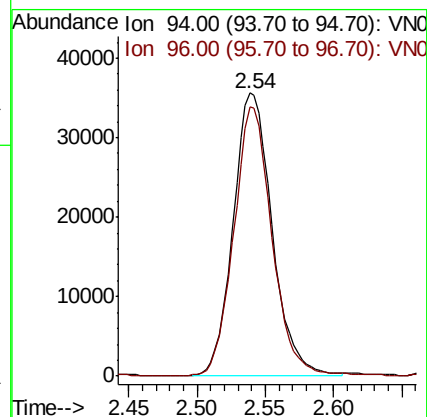
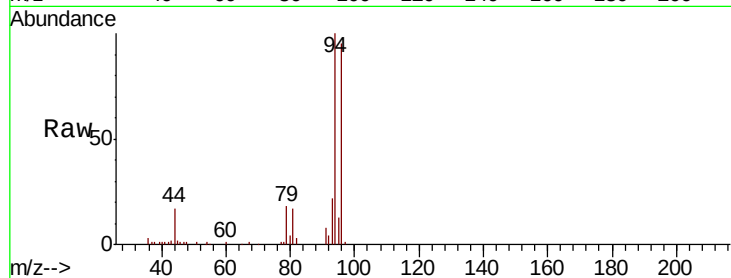
96 94.5 69.2 103.8

Manual Integrations

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#6

Chloroethane

Concen: 20.572 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.00 min

Lab File: VN057796.D

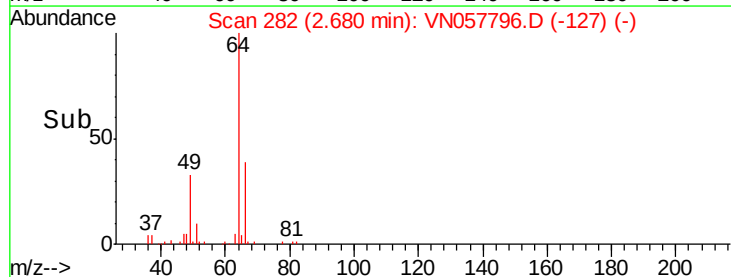
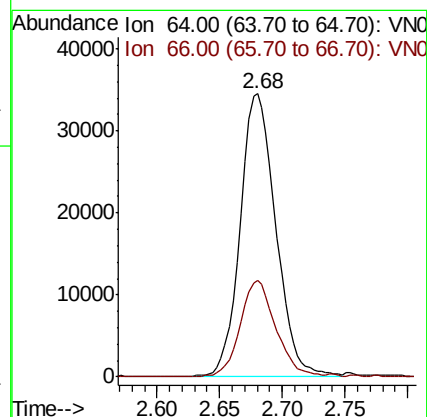
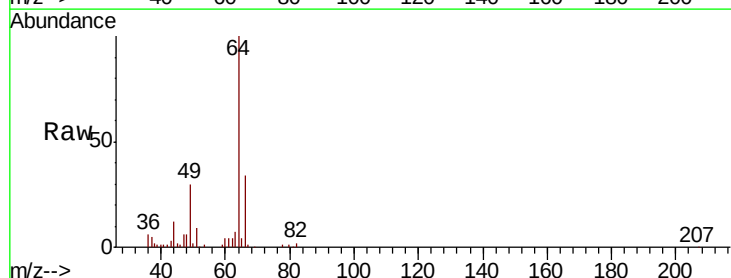
Acq: 9 Sep 2019 12:52

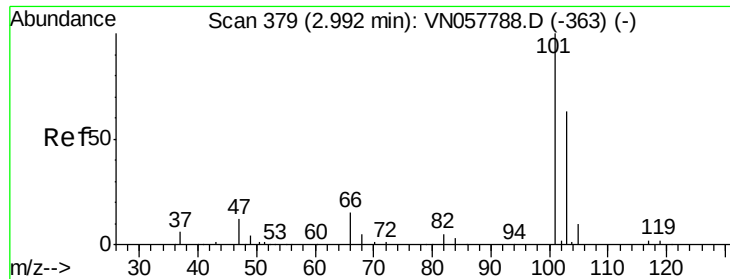
Tgt Ion: 64 Resp: 68381

Ion Ratio Lower Upper

64 100

66 34.2 24.4 36.6





#7

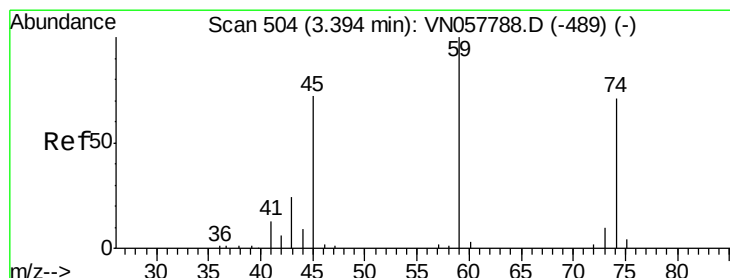
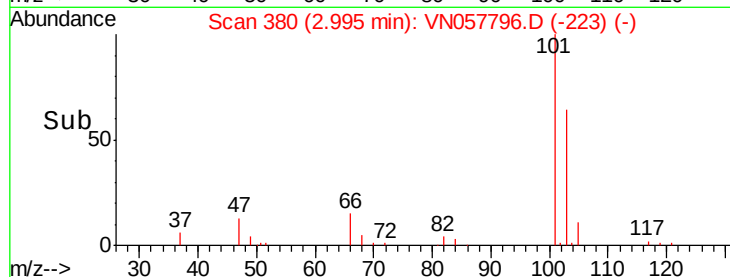
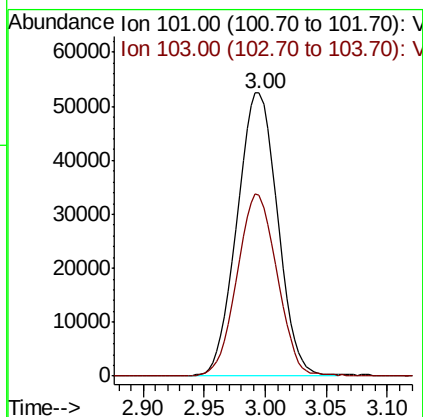
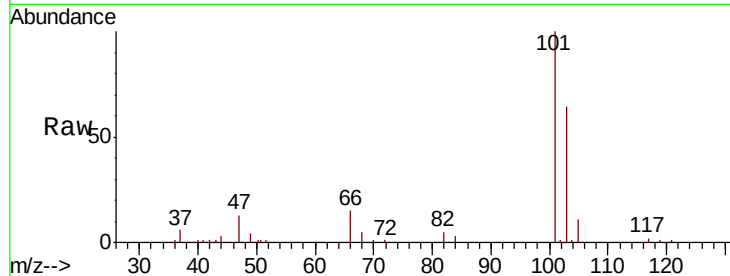
Trichlorofluoromethane
Concen: 19.575 ug/l
RT: 3.00 min Scan# 380
Delta R.T. 0.00 min
Lab File: VN057796.D
Acq: 9 Sep 2019 12:52

Instrument :
MSVOA_N
ClientSampleId :
VN0909WBSD01

Tgt Ion: 101 Resp: 120959
Ion Ratio Lower Upper
101 100
103 63.8 50.2 75.2

Manual Integrations
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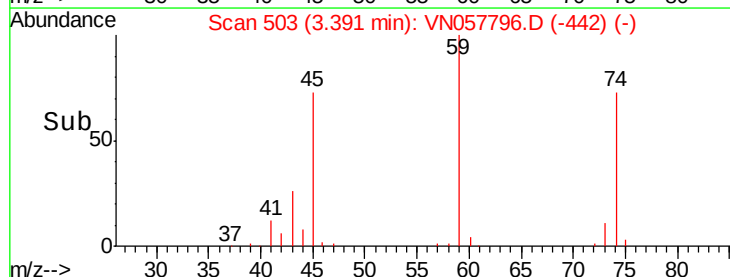
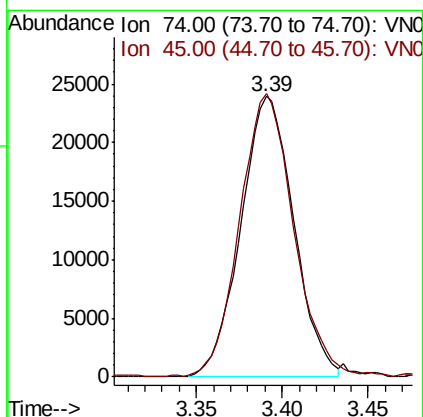
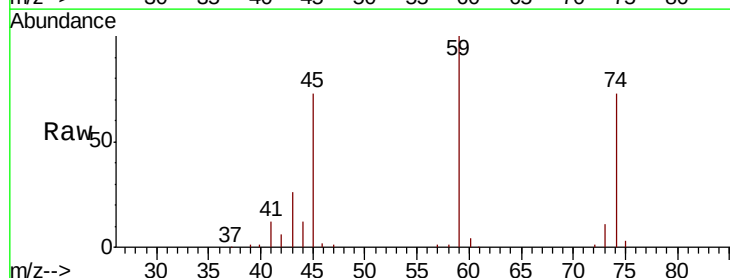
MMDadoda
9/13/2019 11:05:04 AM

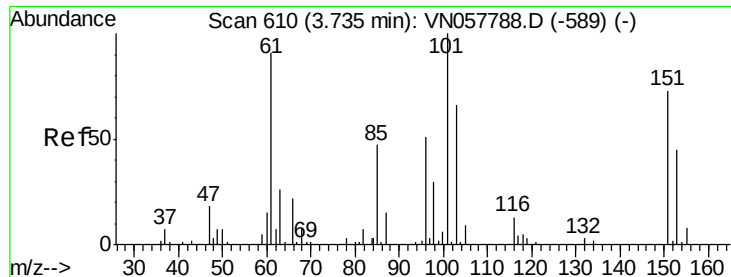


#8

Diethyl Ether
Concen: 20.516 ug/l
RT: 3.39 min Scan# 503
Delta R.T. -0.00 min
Lab File: VN057796.D
Acq: 9 Sep 2019 12:52

Tgt Ion: 74 Resp: 51140
Ion Ratio Lower Upper
74 100
45 102.8 20.3 182.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.711 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN057796.D

Acq: 9 Sep 2019 12:52

Instrument :

MSVOA_N

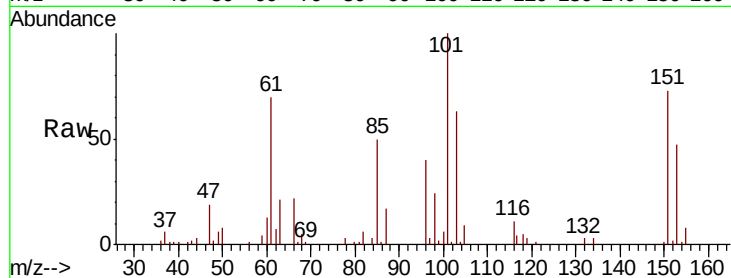
ClientSampleId :

VN0909WBSD01

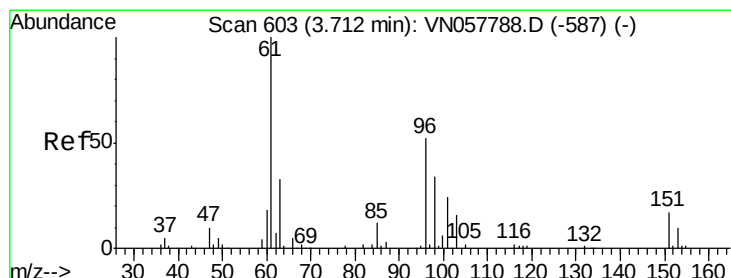
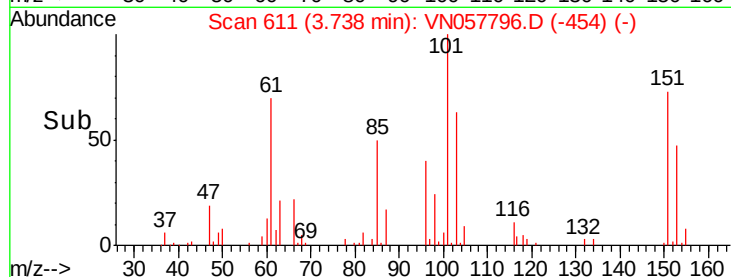
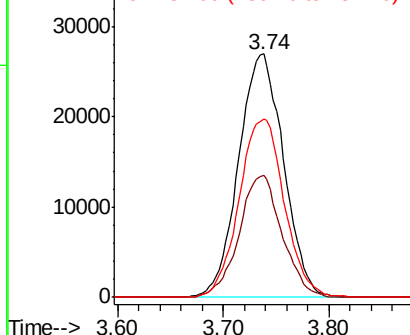
Tgt Ion:	101	Resp:	79913
Ion Ratio	Lower	Upper	
101	100		
85	47.8	0.0	94.0
151	73.7	0.0	144.4

Manual Integrations
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Abundance Ion 101.00 (100.70 to 101.70): V
Ion 85.00 (84.70 to 85.70): VN
Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 20.865 ug/l

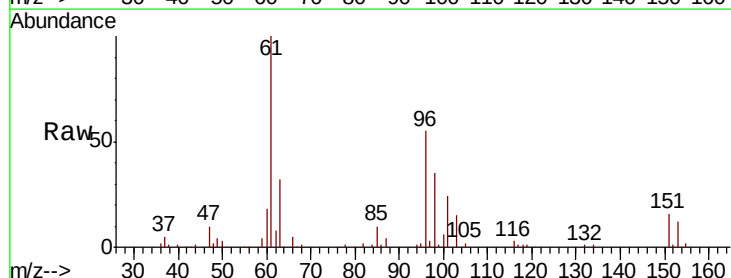
RT: 3.71 min Scan# 603

Delta R.T. 0.00 min

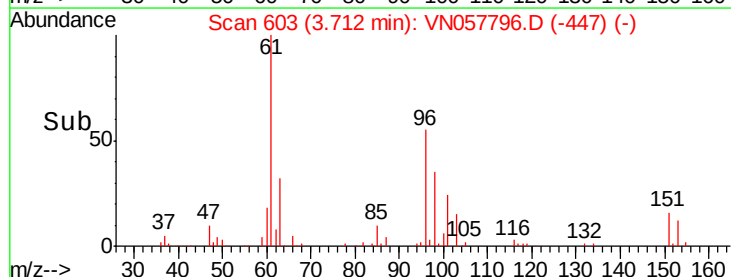
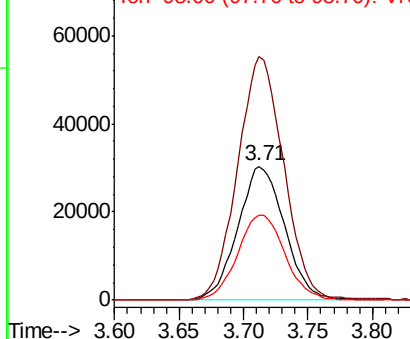
Lab File: VN057796.D

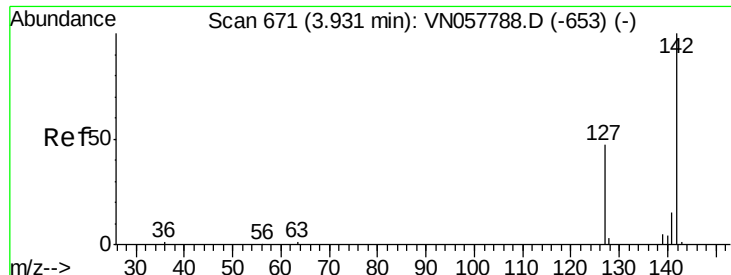
Acq: 9 Sep 2019 12:52

Tgt Ion:	96	Resp:	76555
Ion Ratio	Lower	Upper	
96	100		
61	180.7	153.4	230.0
98	63.4	51.5	77.3



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





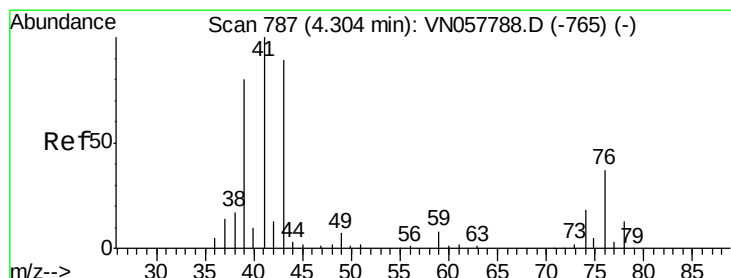
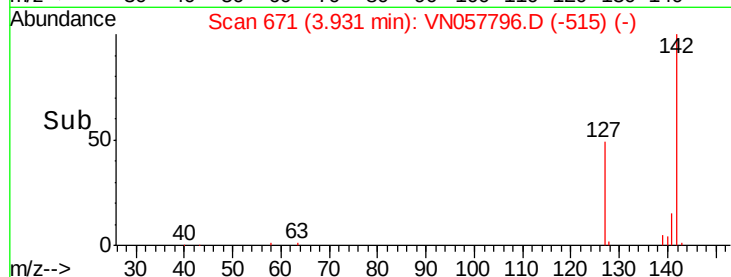
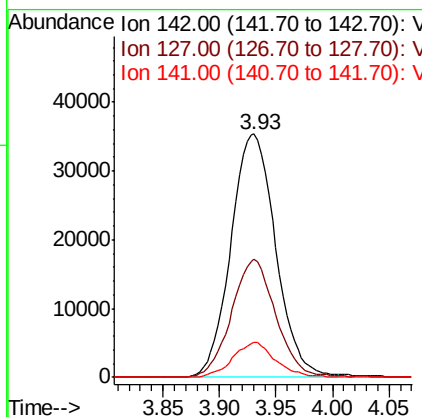
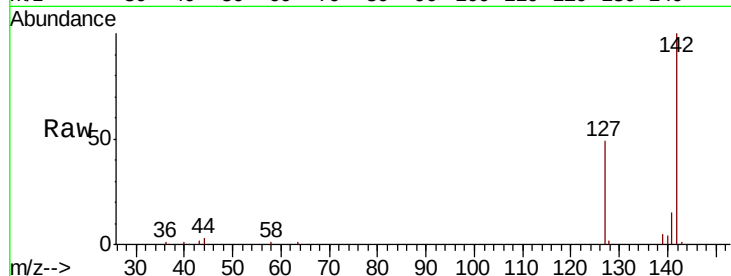
#11
Methyl Iodide
Concen: 19.865 ug/l
RT: 3.93 min Scan# 671
Delta R.T. 0.00 min
Lab File: VN057796.D
Acq: 9 Sep 2019 12:52

Instrument :
MSVOA_N
ClientSampleId :
VN0909WBSD01

Tgt Ion	Ratio	Lower	Upper
142	100		
127	48.5	23.3	69.8
141	14.7	7.5	22.6

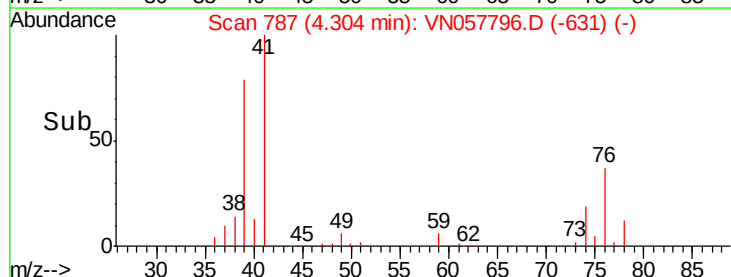
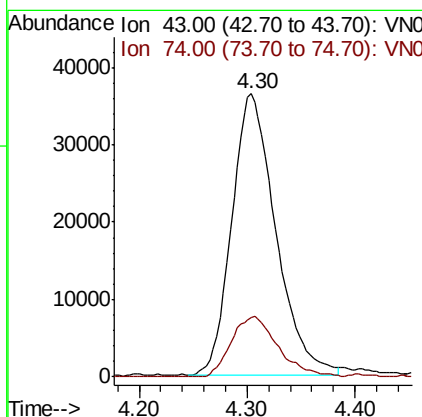
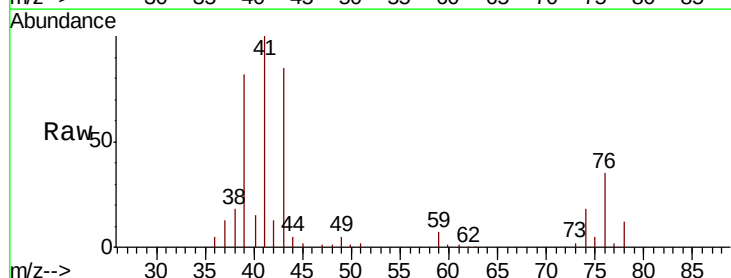
Manual Integrations
APPROVED

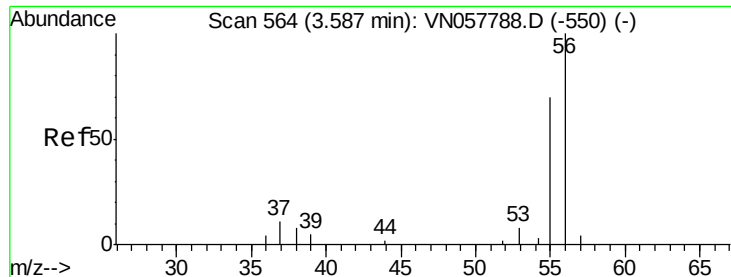
MMDadoda
9/13/2019 11:05:04 AM



#12
Methyl Acetate
Concen: 20.447 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.00 min
Lab File: VN057796.D
Acq: 9 Sep 2019 12:52

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.2	16.2	24.4





#13

Acrolein

Concen: 86.789 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.00 min

Lab File: VN057796.D

Acq: 9 Sep 2019 12:52

Instrument :

MSVOA_N

ClientSampleId :

VN0909WBSD01

Tgt Ion: 56 Resp: 23710

Ion Ratio Lower Upper

56 100

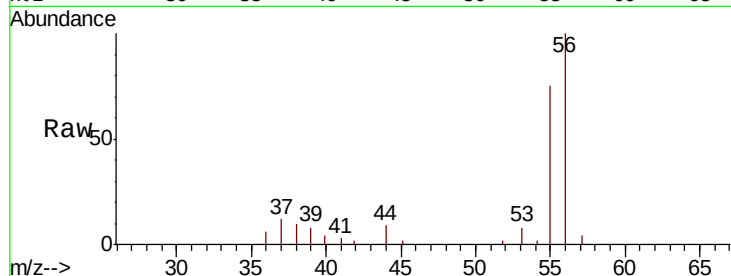
55 70.4 59.0 88.4

Manual Integrations

APPROVED

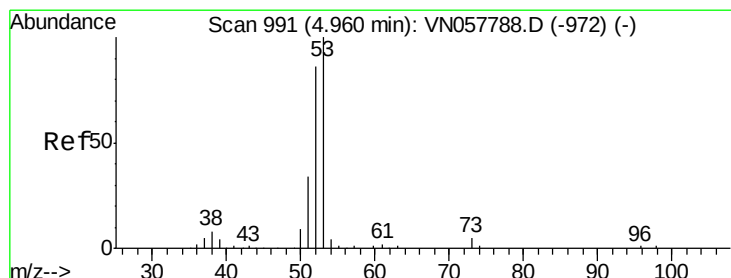
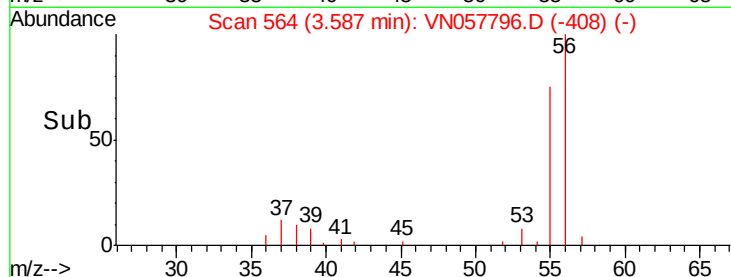
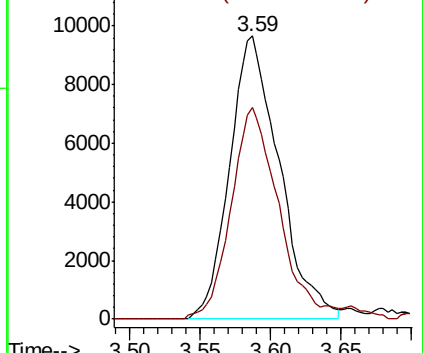
MMDadoda

9/13/2019 11:05:04 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 104.748 ug/l

RT: 4.96 min Scan# 991

Delta R.T. 0.00 min

Lab File: VN057796.D

Acq: 9 Sep 2019 12:52

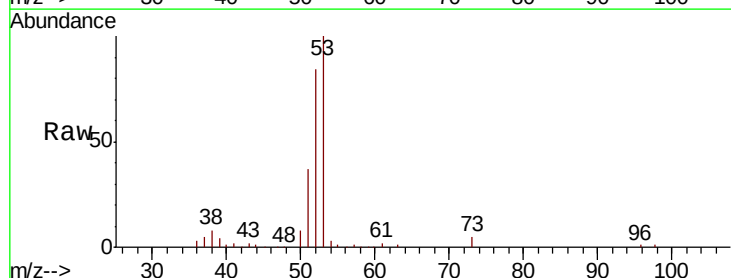
Tgt Ion: 53 Resp: 215008

Ion Ratio Lower Upper

53 100

52 81.8 41.0 123.0

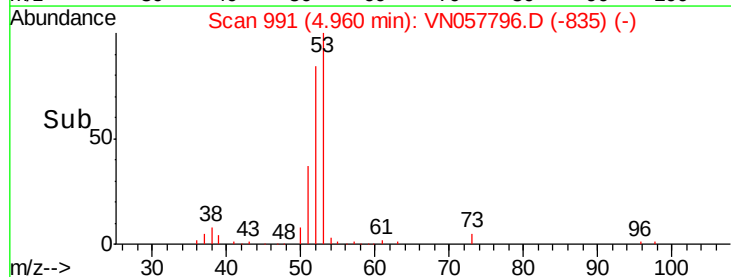
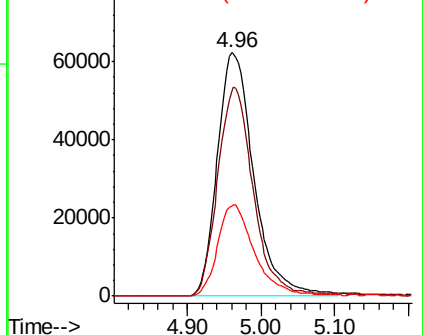
51 37.5 8.6 25.8#

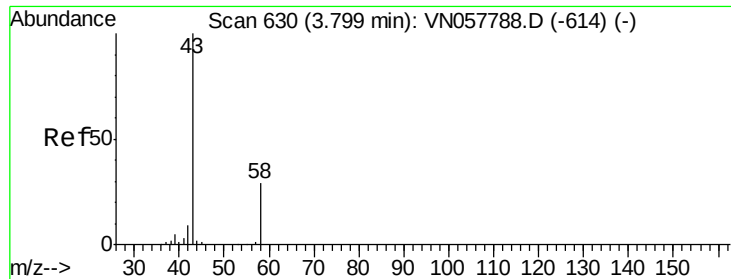


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 96.703 ug/l

RT: 3.80 min Scan# 630

Delta R.T. 0.00 min

Lab File: VN057796.D

Acq: 9 Sep 2019 12:52

Instrument :

MSVOA_N

ClientSampleId :

VN0909WBSD01

Tgt Ion: 58 Resp: 56352

Ion Ratio Lower Upper

58 100

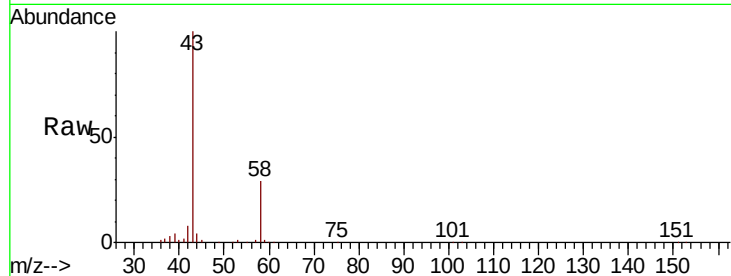
43 335.1 277.7 416.5

Manual Integrations

APPROVED

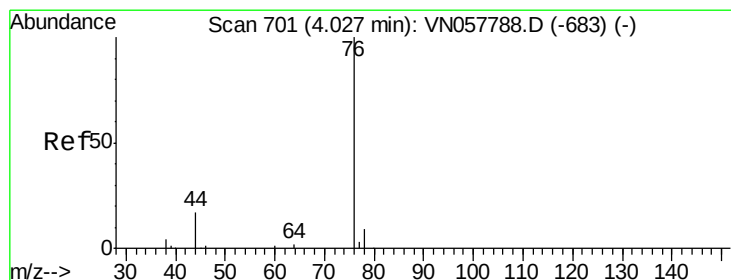
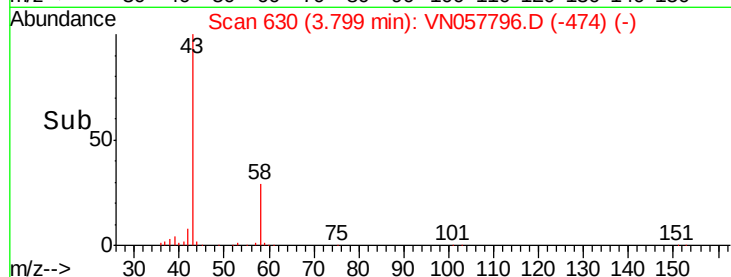
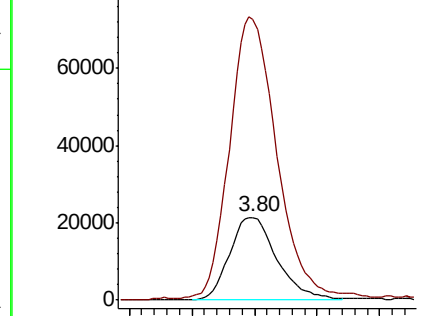
MMDadoda

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Abundance Ion 58.00 (57.70 to 58.70): VN057788.D (-614) (-)

Ion 43.00 (42.70 to 43.70): VN057788.D (-614) (-)



#16

Carbon Disulfide

Concen: 19.263 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN057796.D

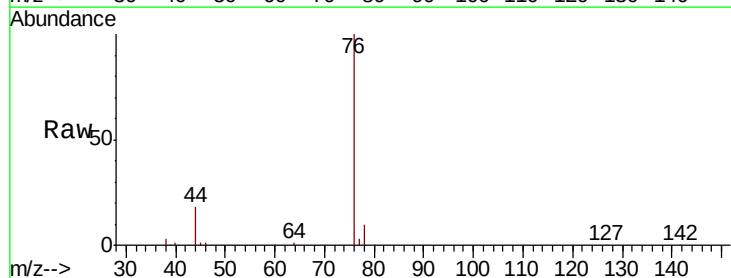
Acq: 9 Sep 2019 12:52

Tgt Ion: 76 Resp: 164574

Ion Ratio Lower Upper

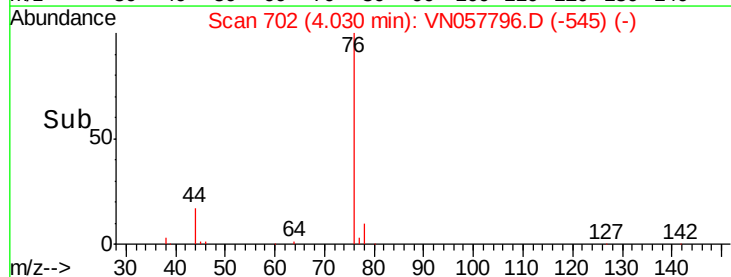
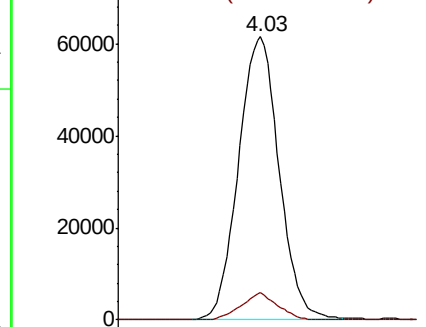
76 100

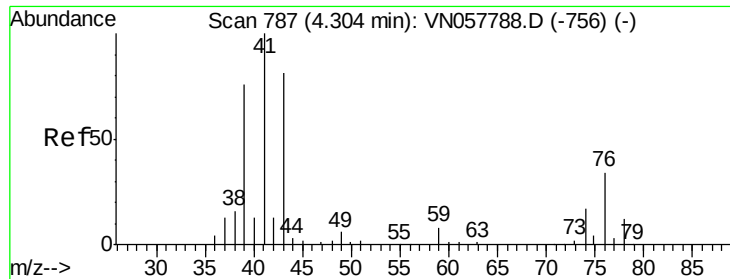
78 9.6 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VN057788.D (-683) (-)

Ion 78.00 (77.70 to 78.70): VN057788.D (-683) (-)





#17

Allyl chloride

Concen: 20.203 ug/l

RT: 4.30 min Scan# 786

Delta R.T. -0.00 min

Lab File: VN057796.D

Acq: 9 Sep 2019 12:52

Instrument :

MSVOA_N

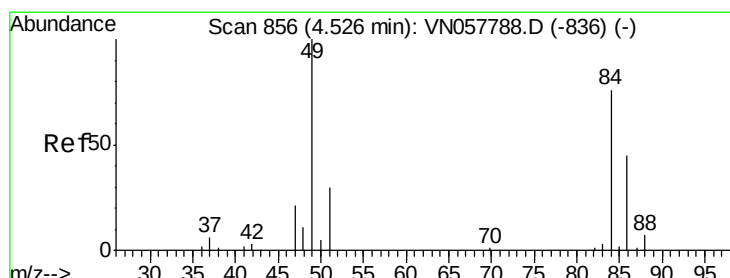
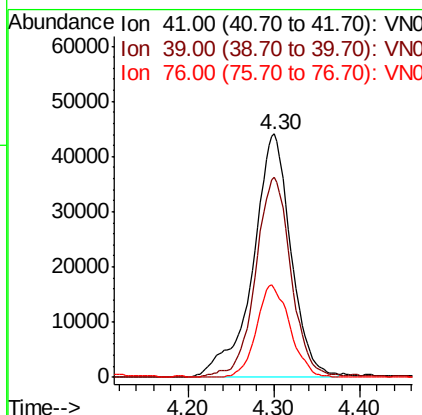
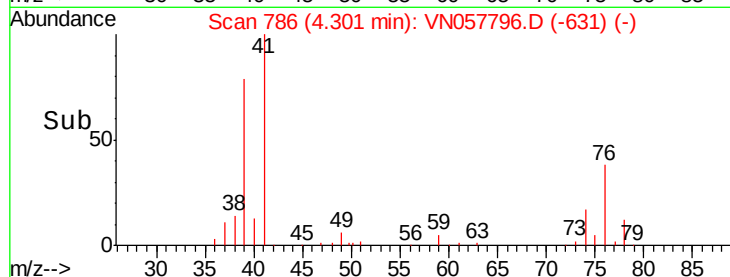
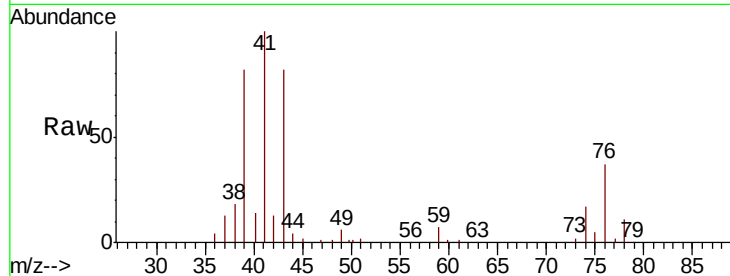
ClientSampleId :

VN0909WBSD01

Tgt Ion:	41	Resp:	135826
Ion	Ratio	Lower	Upper
41	100		
39	82.3	38.5	115.3
76	36.6	17.2	51.6

Manual Integrations
APPROVED

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9/13/2019 11:05:04 AM



#18

Methylene Chloride

Concen: 20.847 ug/l

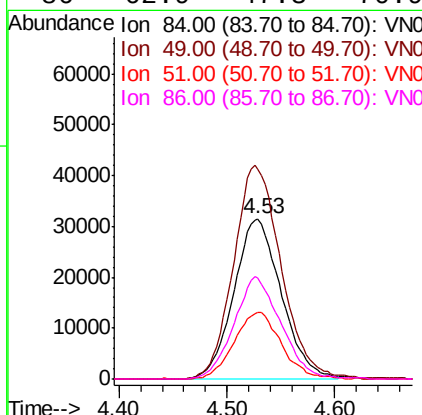
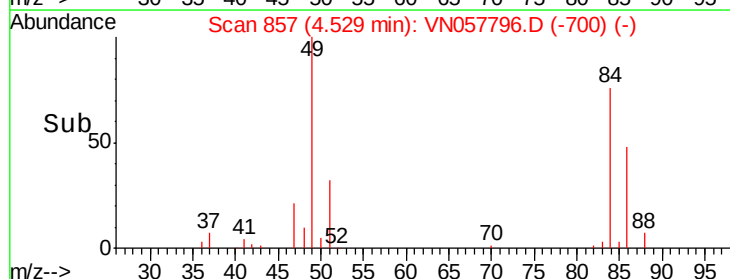
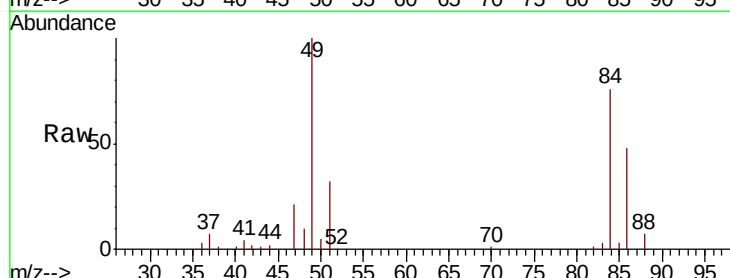
RT: 4.53 min Scan# 857

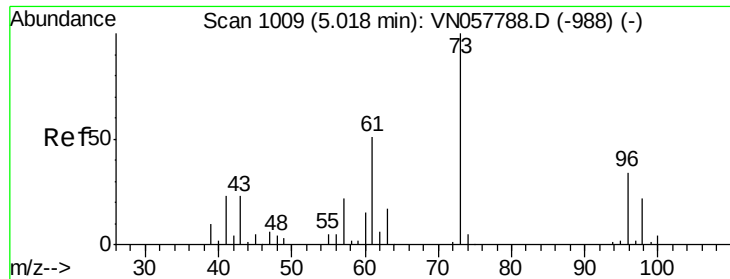
Delta R.T. 0.00 min

Lab File: VN057796.D

Acq: 9 Sep 2019 12:52

Tgt Ion:	84	Resp:	96385
Ion	Ratio	Lower	Upper
84	100		
49	130.4	105.4	158.2
51	41.3	31.3	46.9
86	62.9	47.3	70.9





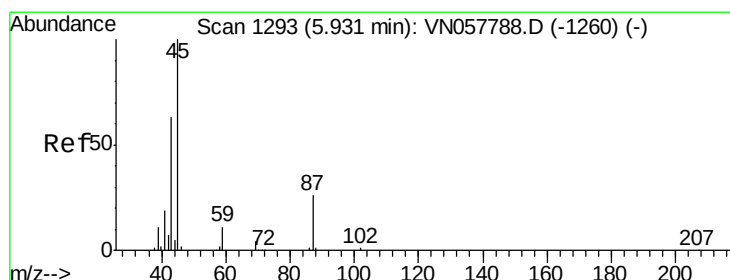
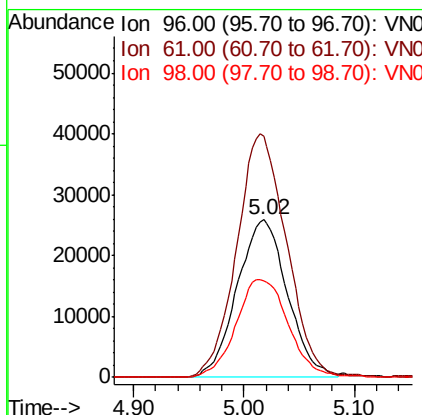
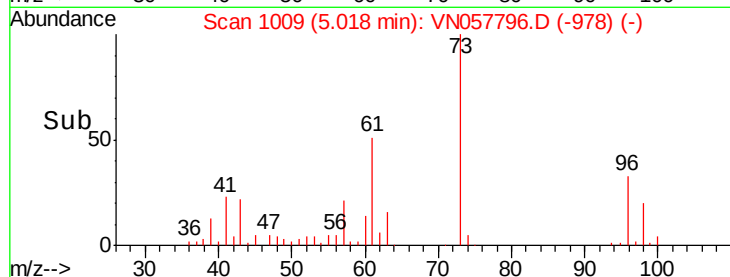
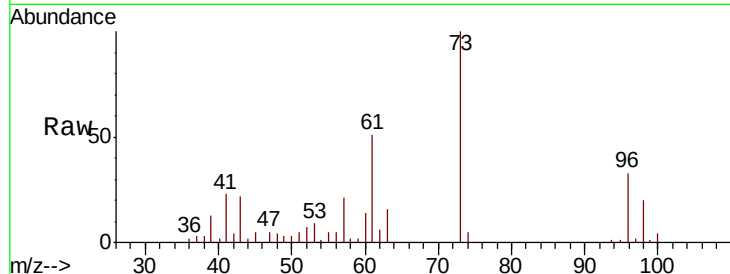
#19
trans-1,2-Dichloroethene
Concen: 19.985 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN057796.D
Acq: 9 Sep 2019 12:52

Instrument :
MSVOA_N
ClientSampleId :
VN0909WBSD01

Tgt Ion: 96 Resp: 81724
Ion Ratio Lower Upper
96 100
61 152.7 121.0 181.6
98 61.3 52.7 79.1

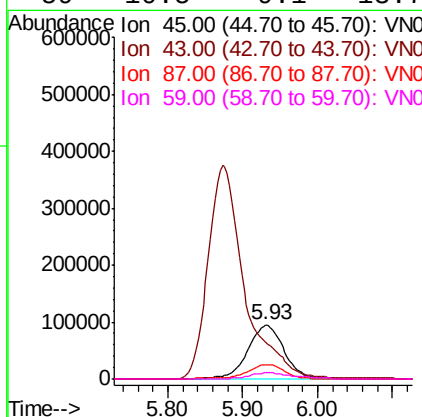
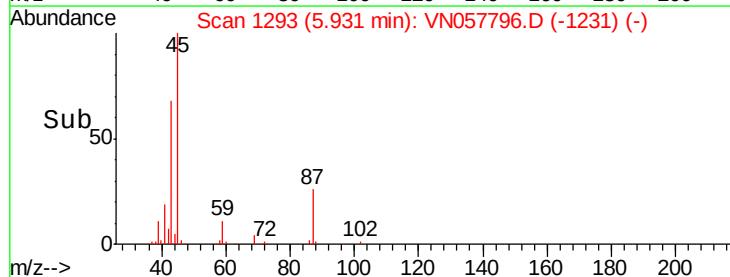
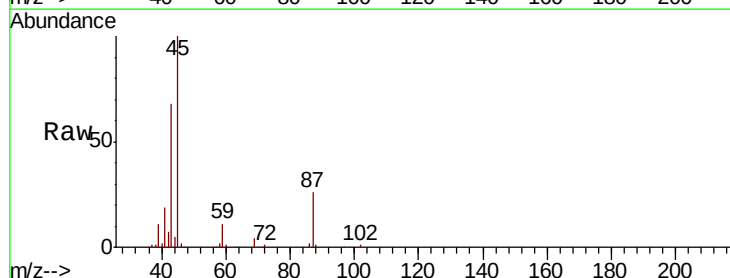
Manual Integrations
APPROVED

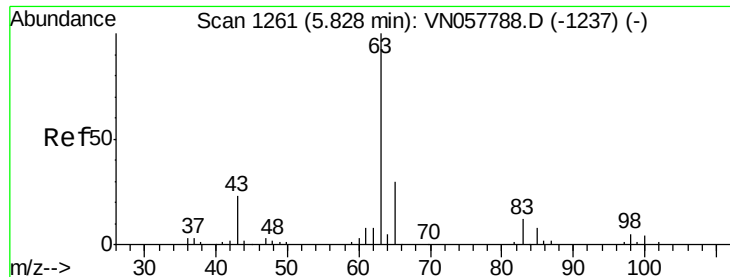
MMDadoda
9/13/2019 11:05:04 AM



#20
Diisopropyl ether
Concen: 20.429 ug/l
RT: 5.93 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VN057796.D
Acq: 9 Sep 2019 12:52

Tgt Ion: 45 Resp: 321101
Ion Ratio Lower Upper
45 100
43 65.7 55.2 82.8
87 25.8 21.3 31.9
59 10.5 9.1 13.7





#21

1,1-Dichloroethane

Concen: 20.606 ug/l

RT: 5.83 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VN057796.D

Acq: 9 Sep 2019 12:52

Instrument :

MSVOA_N

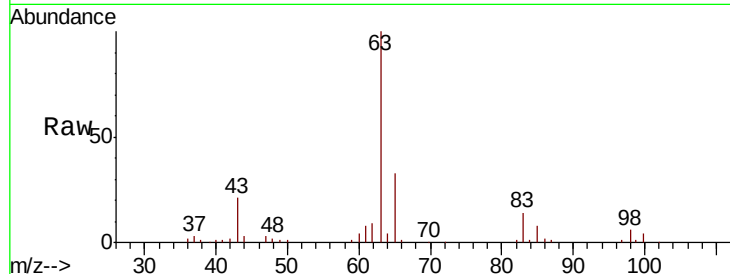
ClientSampleId :

VN0909WBSD01

Tgt Ion:	63	Resp:	178580
Ion	Ratio	Lower	Upper
63	100		
98	5.9	2.8	8.3
100	3.6	1.8	5.5

Manual Integrations
APPROVED

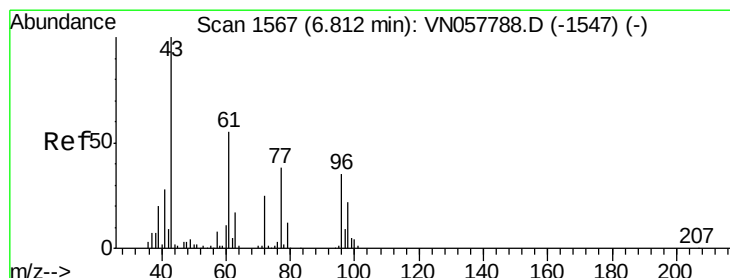
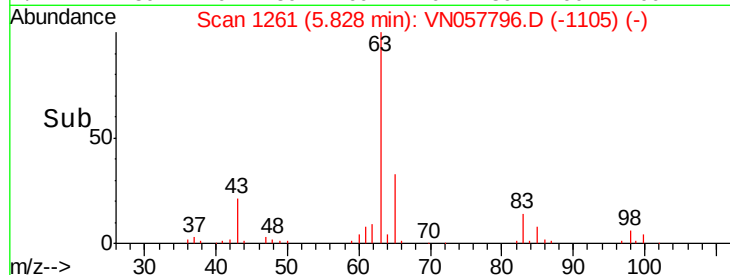
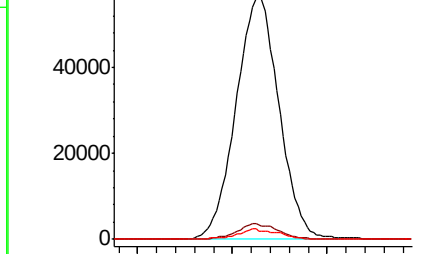
MMDadoda
9/13/2019 11:05:04 AM



Abundance Ion 63.00 (62.70 to 63.70): VN057788.D (-1237) (-)

Ion 98.00 (97.70 to 98.70): VN057788.D (-1237) (-)

Ion 100.00 (99.70 to 100.70): VN057788.D (-1237) (-)



#22

cis-1,2-Dichloroethene

Concen: 20.825 ug/l

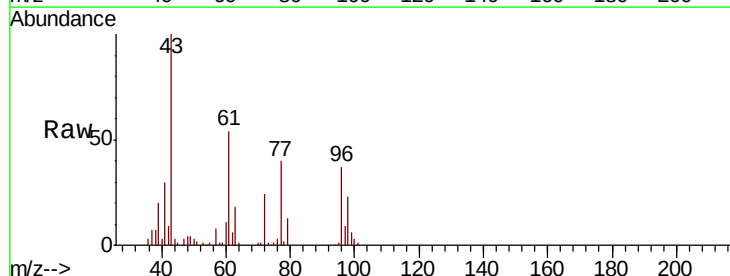
RT: 6.81 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN057796.D

Acq: 9 Sep 2019 12:52

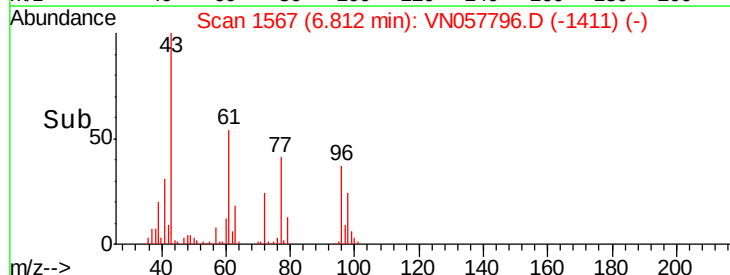
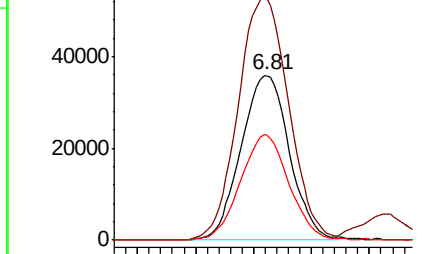
Tgt Ion:	96	Resp:	104342
Ion	Ratio	Lower	Upper
96	100		
61	153.4	127.4	191.0
98	63.7	51.5	77.3

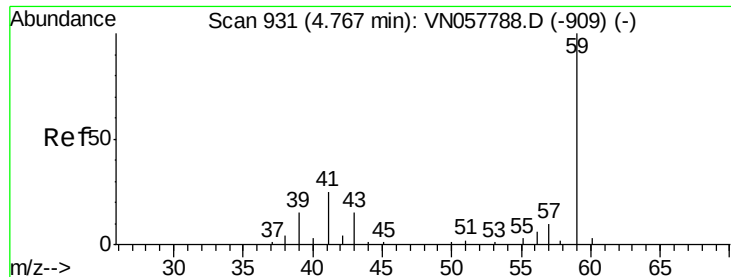


Abundance Ion 96.00 (95.70 to 96.70): VN057788.D (-1547) (-)

Ion 61.00 (60.70 to 61.70): VN057788.D (-1547) (-)

Ion 98.00 (97.70 to 98.70): VN057788.D (-1547) (-)





#23

tert-Butyl Alcohol

Concen: 103.333 ug/l

RT: 4.77 min Scan# 931

Delta R.T. 0.00 min

Lab File: VN057796.D

Acq: 9 Sep 2019 12:52

Instrument :

MSVOA_N

ClientSampled :

VN0909WBSD01

Tgt Ion: 59 Resp: 69243

Ion Ratio Lower Upper

59 100

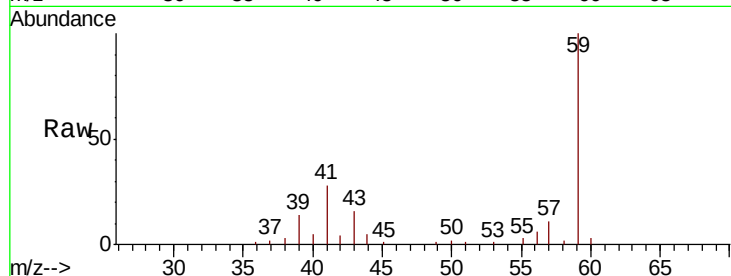
52 0.0 0.0 0.0

Manual Integrations

APPROVED

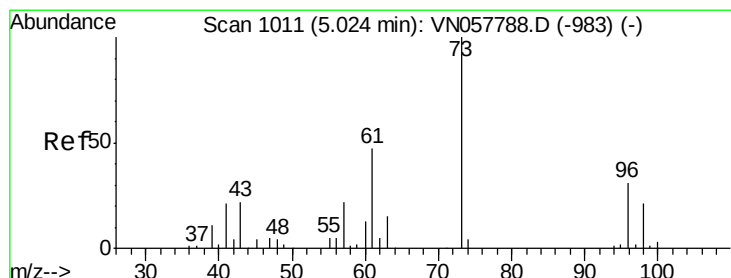
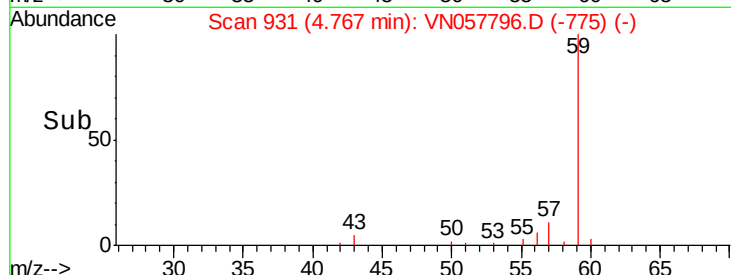
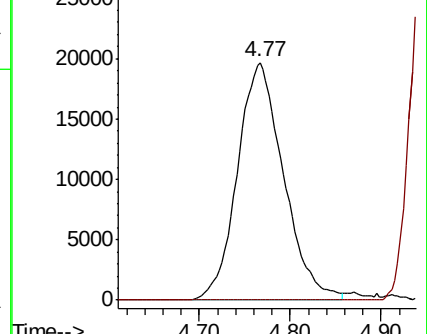
MMDadoda

9/13/2019 11:05:04 AM



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#24

Methyl tert-Butyl Ether

Concen: 20.560 ug/l

RT: 5.02 min Scan# 1010

Delta R.T. -0.00 min

Lab File: VN057796.D

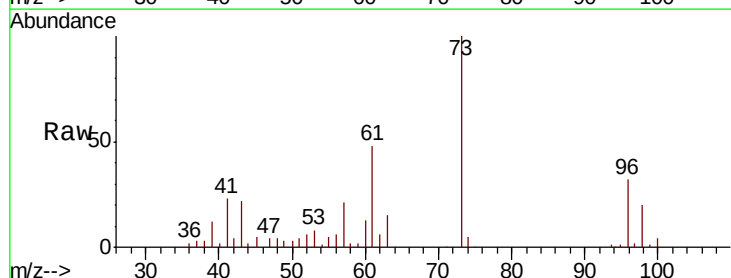
Acq: 9 Sep 2019 12:52

Tgt Ion: 73 Resp: 289135

Ion Ratio Lower Upper

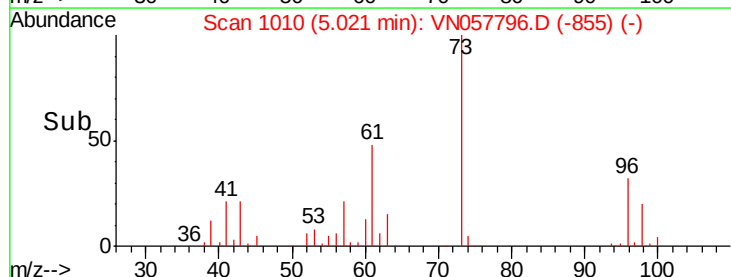
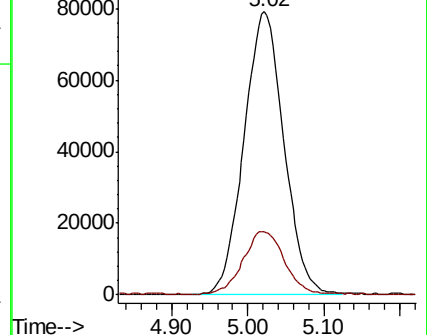
73 100

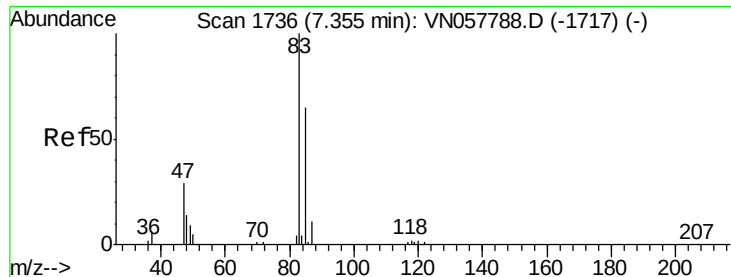
43 22.9 0.0 0.0#



Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 43.00 (42.70 to 43.70): VN0





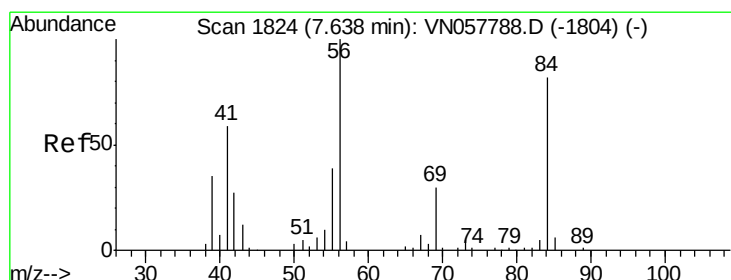
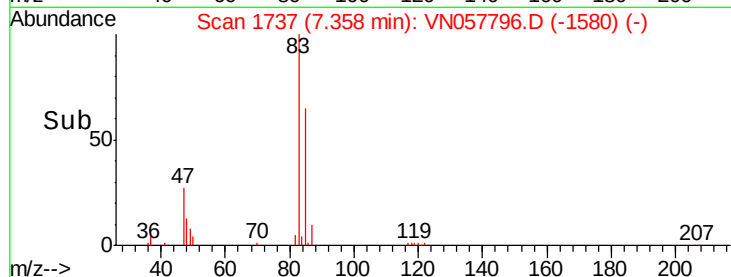
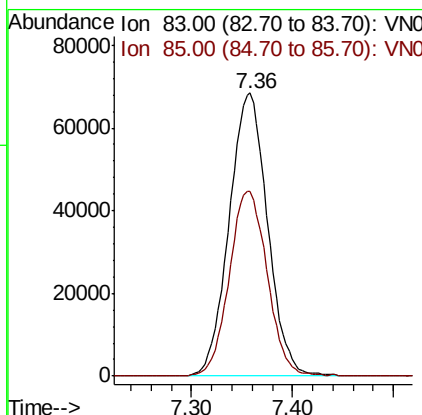
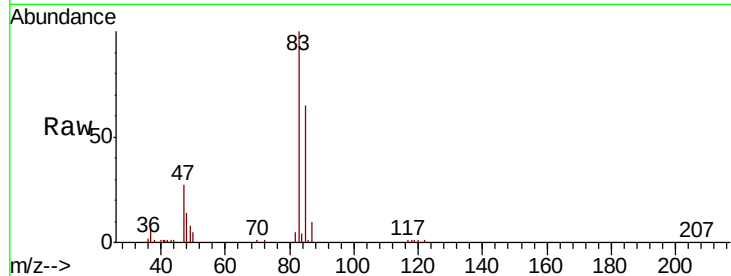
#25
Chloroform
Concen: 20.478 ug/l
RT: 7.36 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN057796.D
Acq: 9 Sep 2019 12:52

Instrument :
MSVOA_N
ClientSampleId :
VN0909WBSD01

Tgt Ion: 83 Resp: 180685
Ion Ratio Lower Upper
83 100
85 64.8 51.8 77.6

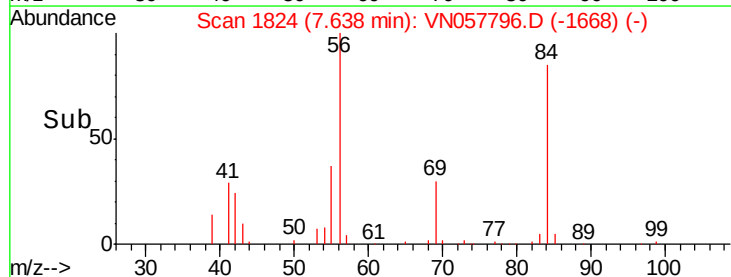
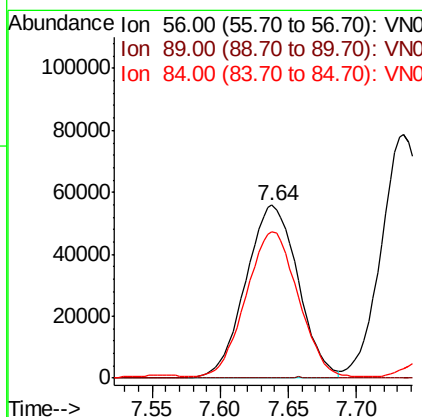
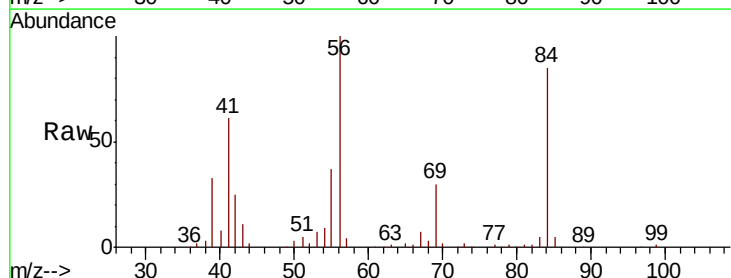
Manual Integrations
APPROVED

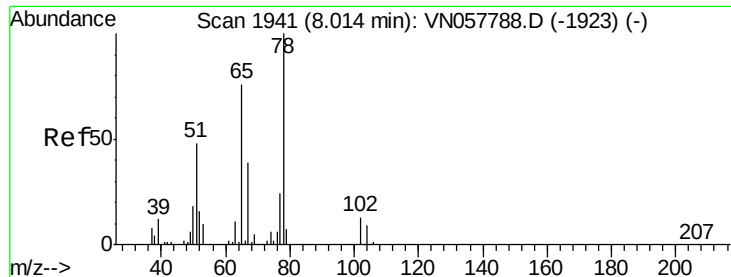
MMDadoda
9/13/2019 11:05:04 AM



#26
Cyclohexane
Concen: 20.501 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.00 min
Lab File: VN057796.D
Acq: 9 Sep 2019 12:52

Tgt Ion: 56 Resp: 149280
Ion Ratio Lower Upper
56 100
89 0.1 0.3 0.5#
84 85.1 66.6 100.0





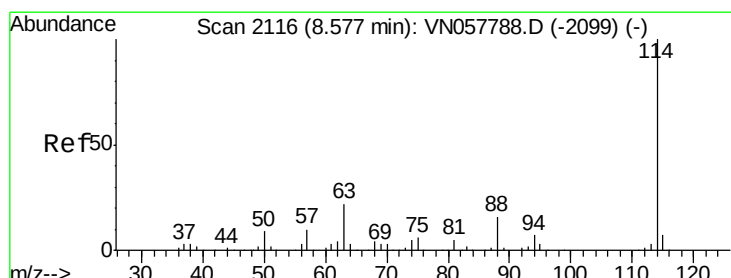
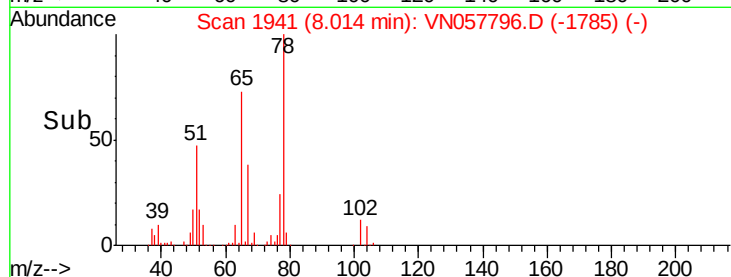
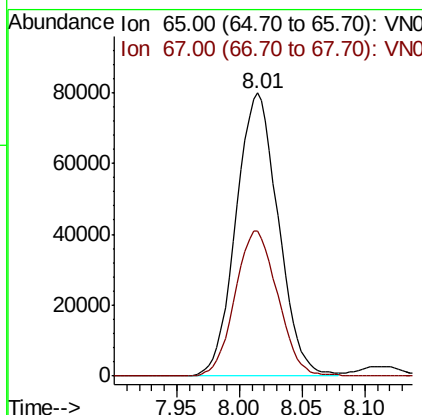
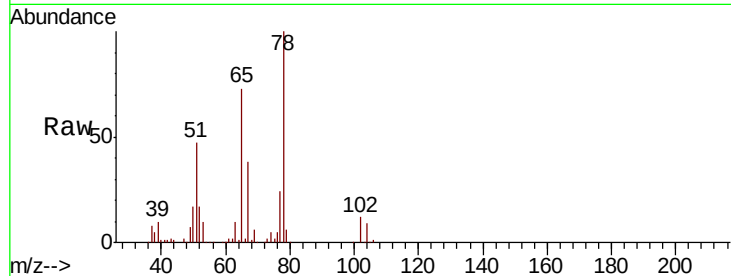
#27
 1,2-Dichloroethane-d4
 Concen: 30.348 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN057796.D
 Acq: 9 Sep 2019 12:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0909WBSD01

Tgt Ion: 65 Resp: 186268
 Ion Ratio Lower Upper
 65 100
 67 52.1 40.9 61.3

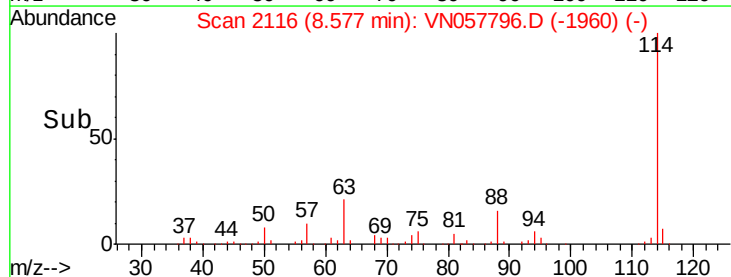
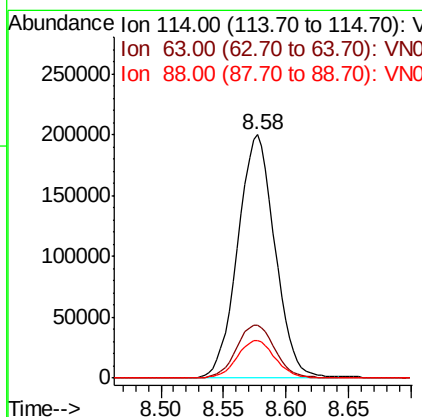
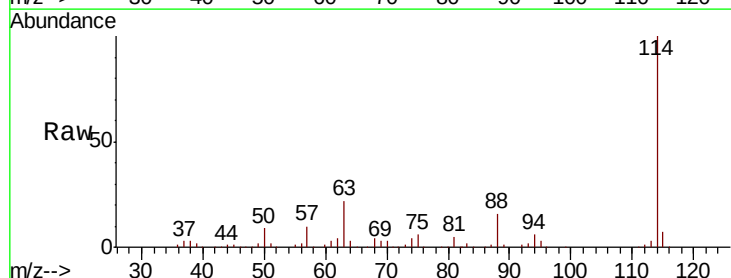
Manual Integrations
 APPROVED

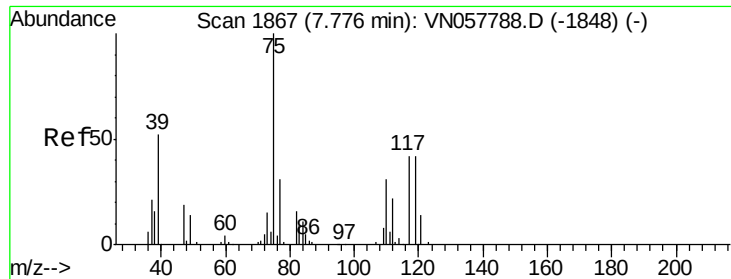
MMDadoda
 9/13/2019 11:05:04 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057796.D
 Acq: 9 Sep 2019 12:52

Tgt Ion: 114 Resp: 413395
 Ion Ratio Lower Upper
 114 100
 63 22.8 18.0 27.0
 88 15.8 12.6 19.0





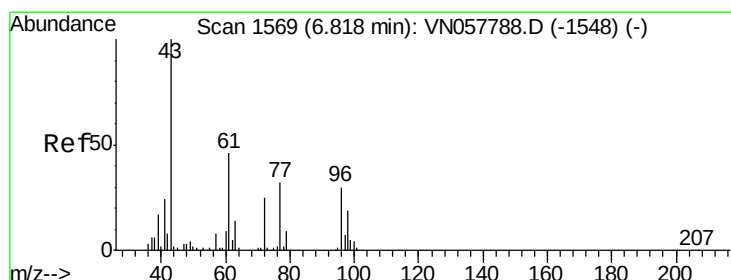
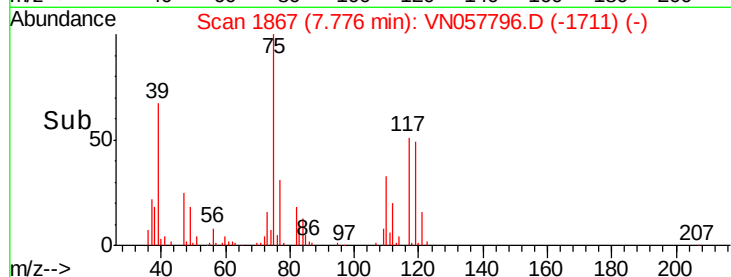
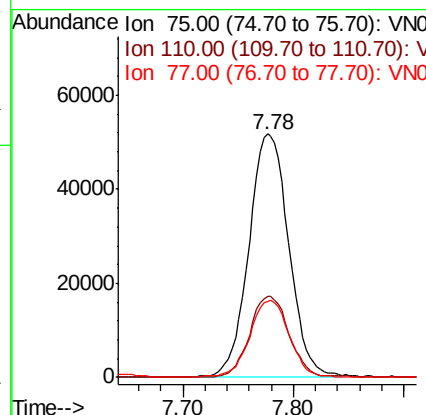
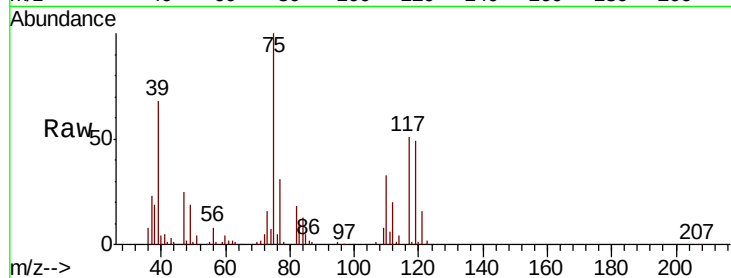
#29
 1,1-Dichloropropene
 Concen: 19.981 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN057796.D
 Acq: 9 Sep 2019 12:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0909WBSD01

Tgt Ion	Ratio	Resp Lower	Resp Upper
75	100		
110	32.8	0.0	63.8
77	30.3	0.0	60.0

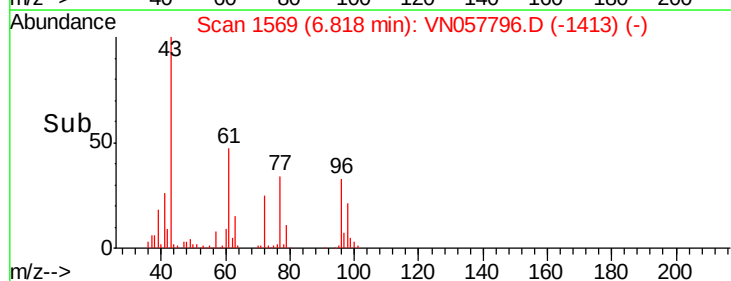
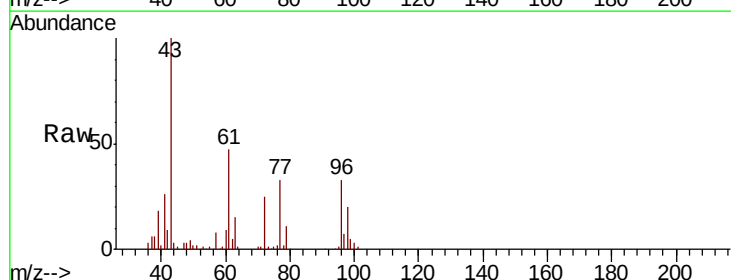
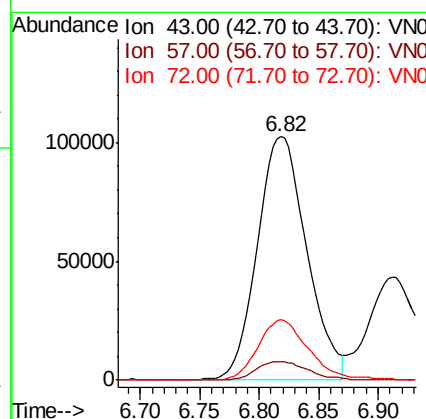
Manual Integrations
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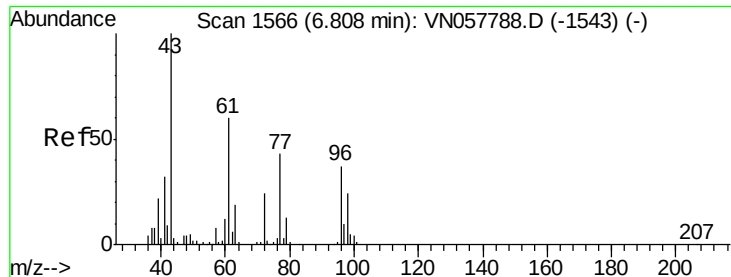
MMDadoda
 9/13/2019 11:05:04 AM



#30
 2-Butanone
 Concen: 100.044 ug/l
 RT: 6.82 min Scan# 1569
 Delta R.T. 0.00 min
 Lab File: VN057796.D
 Acq: 9 Sep 2019 12:52

Tgt Ion	Ratio	Resp Lower	Resp Upper
43	100		
57	8.0	6.4	9.6
72	25.5	20.3	30.5





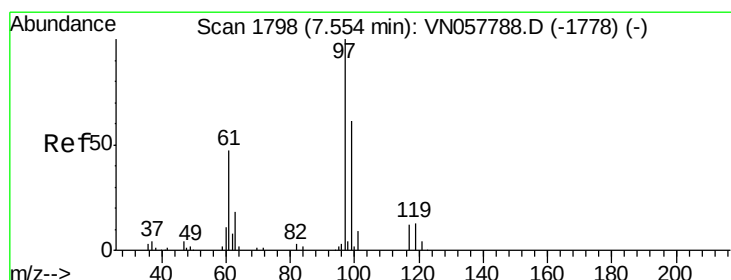
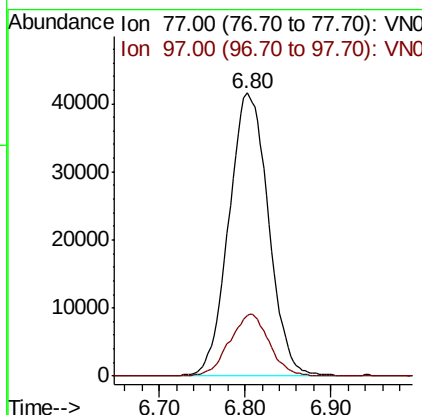
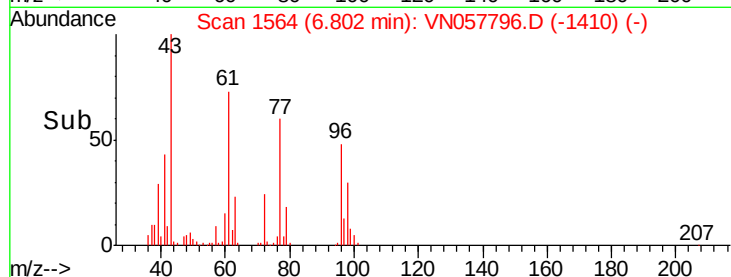
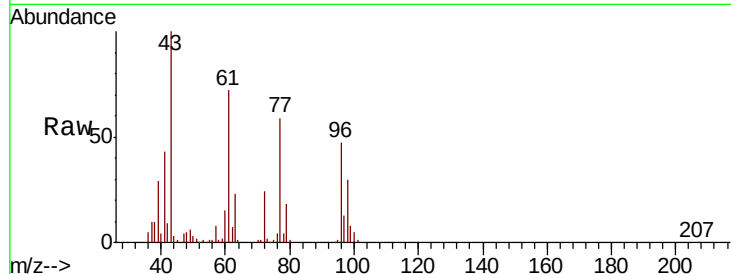
#31
 2,2-Dichloropropane
 Concen: 19.377 ug/l
 RT: 6.80 min Scan# 1564
 Delta R.T. -0.01 min
 Lab File: VN057796.D
 Acq: 9 Sep 2019 12:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0909WBSD01

Tgt Ion: 77 Resp: 133041
 Ion Ratio Lower Upper
 77 100
 97 21.8 17.7 26.5

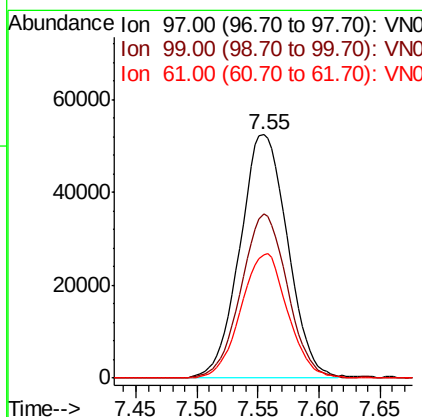
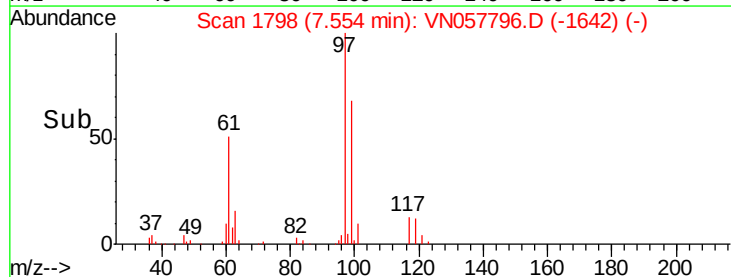
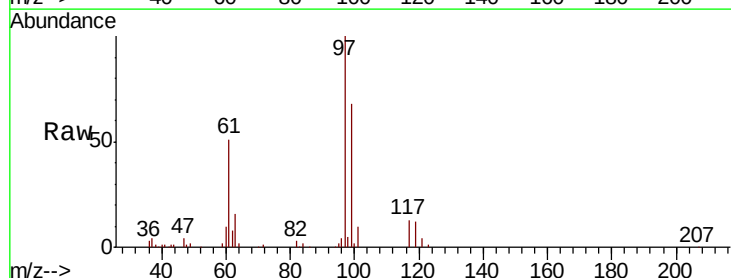
Manual Integrations
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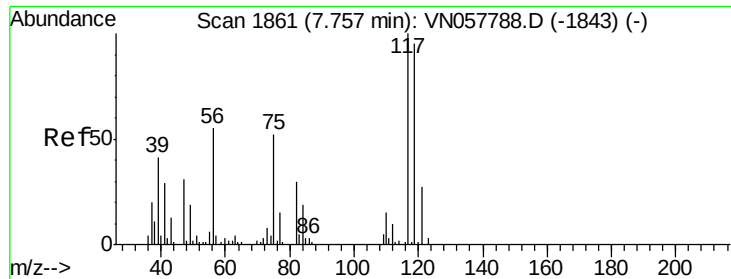
MMDadoda
 9/13/2019 11:05:04 AM



#32
 1,1,1-Trichloroethane
 Concen: 19.451 ug/l
 RT: 7.55 min Scan# 1798
 Delta R.T. 0.00 min
 Lab File: VN057796.D
 Acq: 9 Sep 2019 12:52

Tgt Ion: 97 Resp: 142225
 Ion Ratio Lower Upper
 97 100
 99 65.6 49.8 74.8
 61 50.0 38.7 58.1





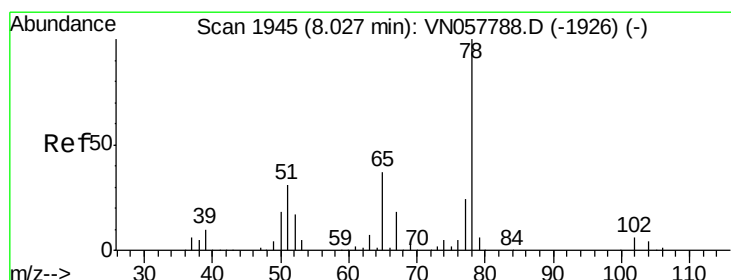
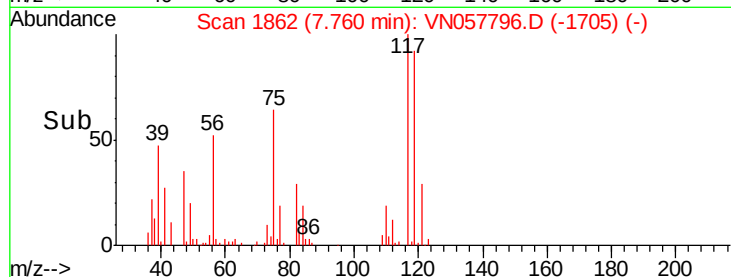
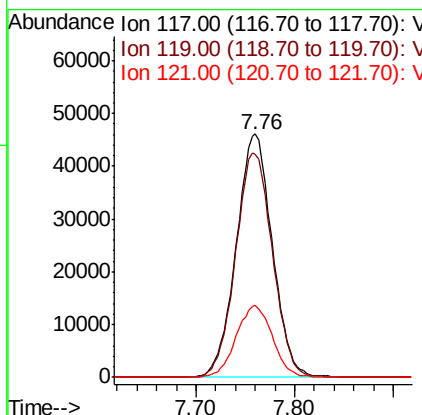
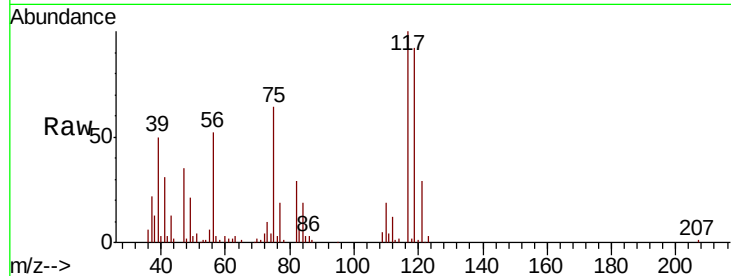
#33
Carbon Tetrachloride
Concen: 19.610 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VN057796.D
Acq: 9 Sep 2019 12:52

Instrument :
MSVOA_N
ClientSampleId :
VN0909WBSD01

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.7	75.7	113.5
121	29.4	21.7	32.5

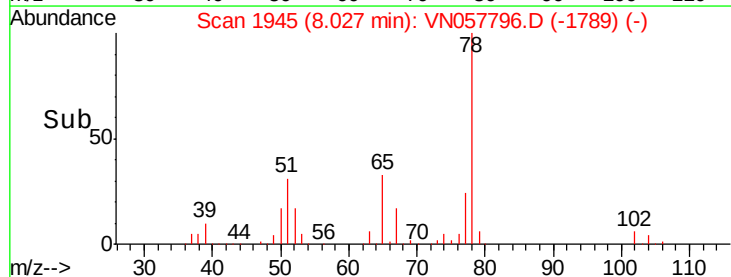
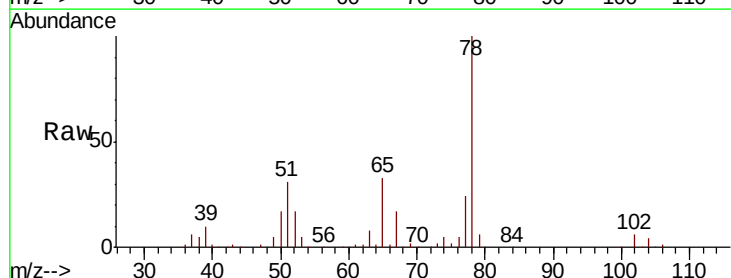
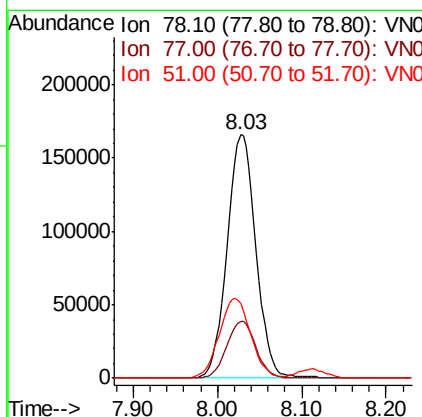
Manual Integrations
APPROVED

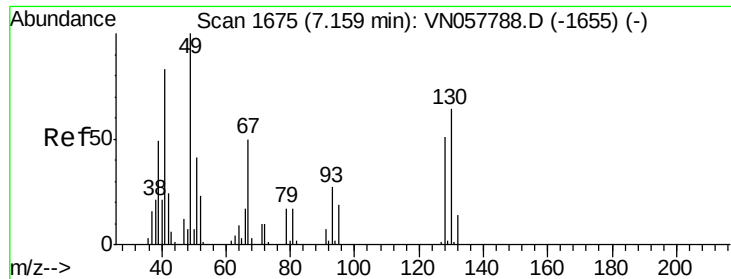
MMDadoda
9/13/2019 11:05:04 AM



#34
Benzene
Concen: 20.408 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN057796.D
Acq: 9 Sep 2019 12:52

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.2	28.8
51	30.4	24.9	37.3





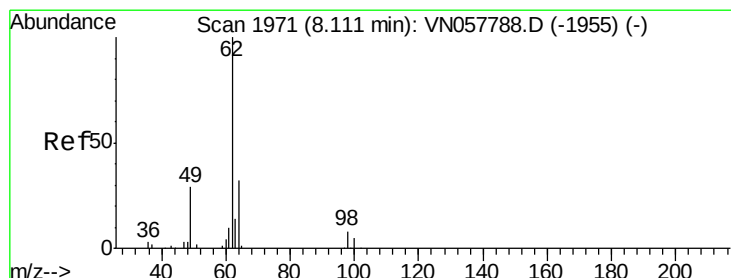
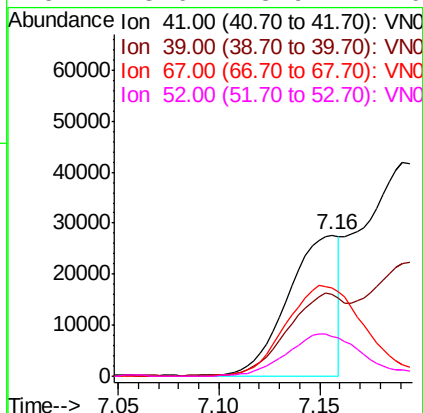
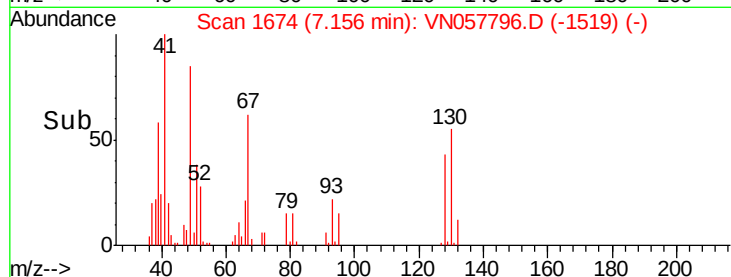
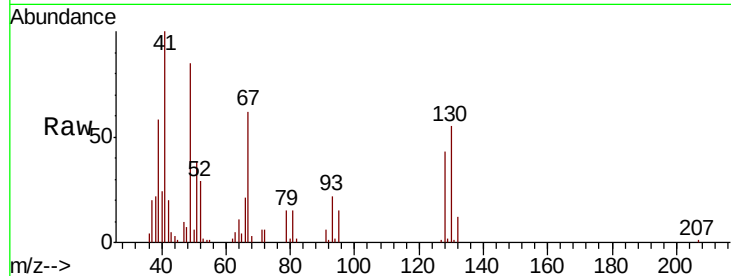
#35
Methacrylonitrile
Concen: 17.827 ug/l
RT: 7.16 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VN057796.D
Acq: 9 Sep 2019 12:52

Instrument :
MSVOA_N
ClientSampleId :
VN0909WBSD01

Tgt Ion:	41	Resp:	48486
Ion	Ratio	Lower	Upper
41	100		
39	57.9	29.8	89.5
67	62.4	30.0	90.1
52	28.6	13.9	41.6

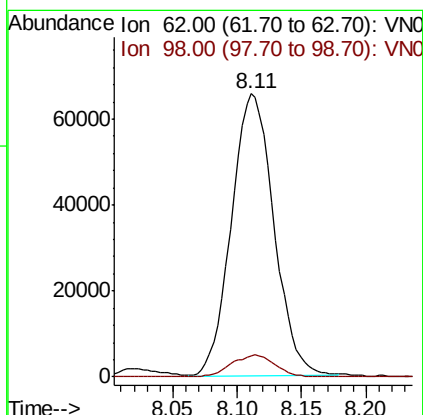
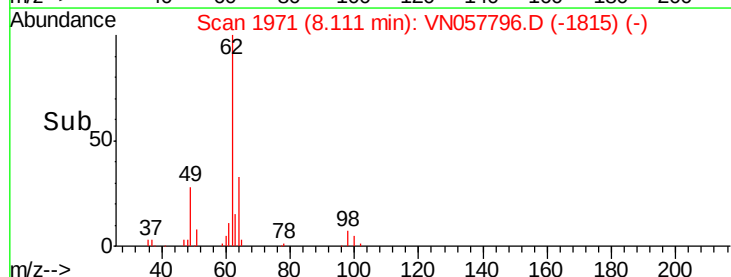
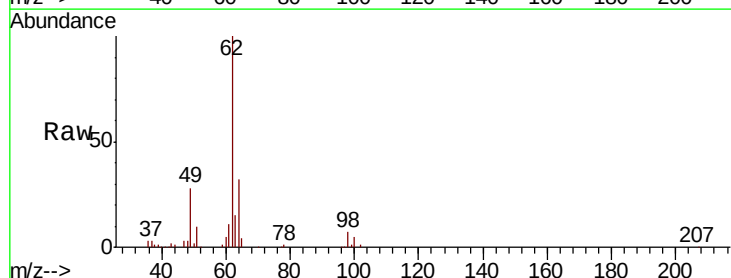
Manual Integrations
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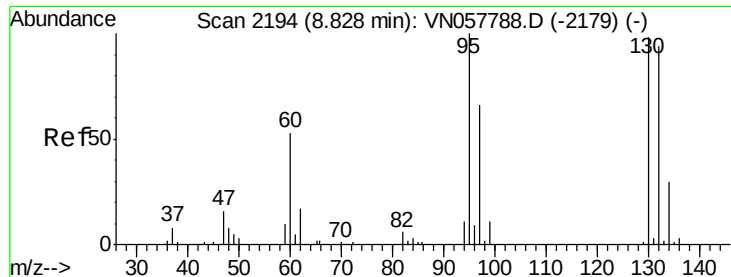
MMDadoda
9/13/2019 11:05:04 AM



#36
1,2-Dichloroethane
Concen: 20.057 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN057796.D
Acq: 9 Sep 2019 12:52

Tgt Ion:	62	Resp:	149978
Ion	Ratio	Lower	Upper
62	100		
98	8.0	6.6	9.8





#37

Trichloroethene

Concen: 19.389 ug/l

RT: 8.83 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VN057796.D

Acq: 9 Sep 2019 12:52

Instrument :

MSVOA_N

ClientSampleId :

VN0909WBSD01

Tgt Ion:130 Resp: 90743

Ion Ratio Lower Upper

130 100

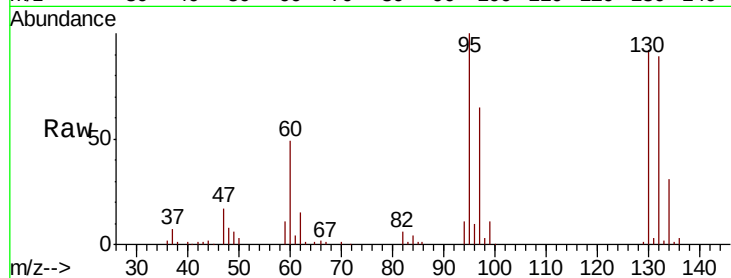
95 108.7 81.9 122.9

Manual Integrations

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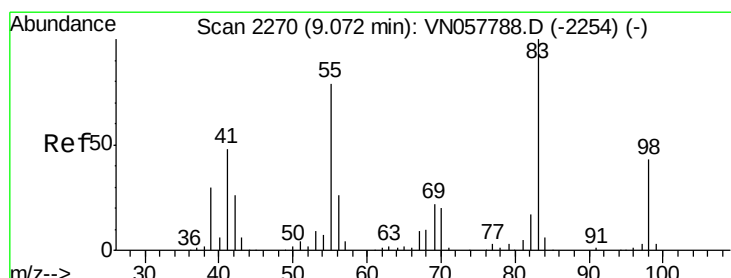
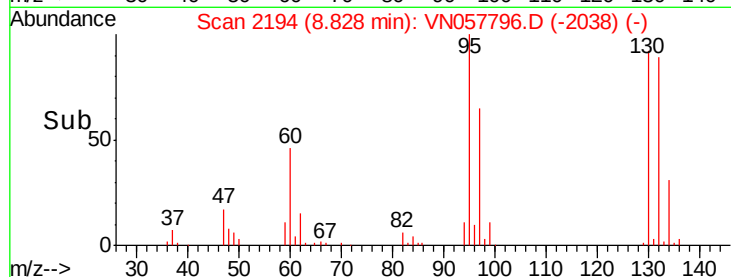
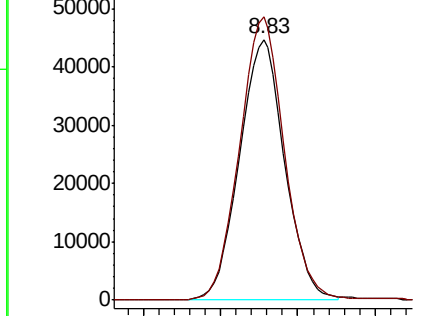
MMDadoda

9/13/2019 11:05:04 AM



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN



#38

Methylcyclohexane

Concen: 19.769 ug/l

RT: 9.07 min Scan# 2270

Delta R.T. 0.00 min

Lab File: VN057796.D

Acq: 9 Sep 2019 12:52

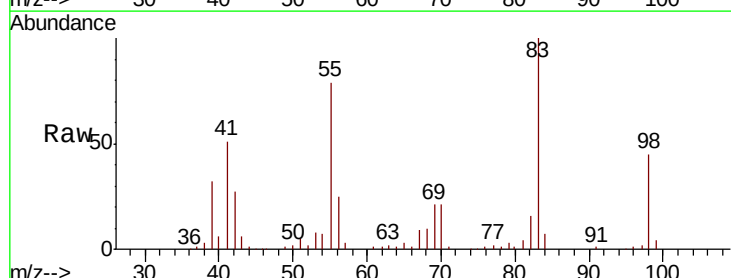
Tgt Ion: 83 Resp: 146396

Ion Ratio Lower Upper

83 100

55 78.2 39.6 118.7

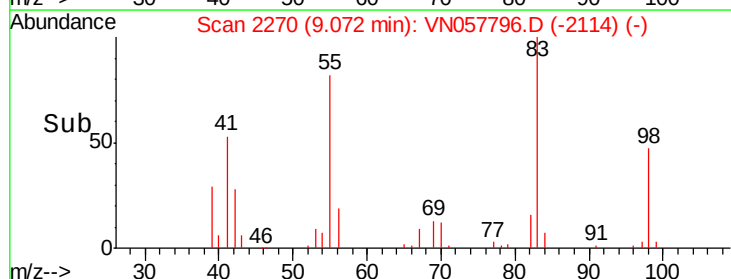
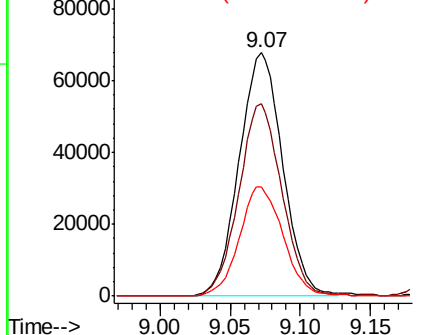
98 44.9 21.8 65.4

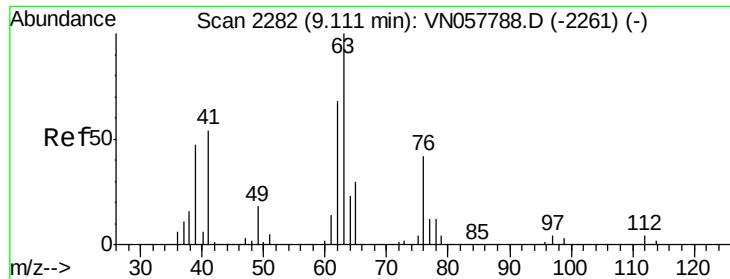


Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN





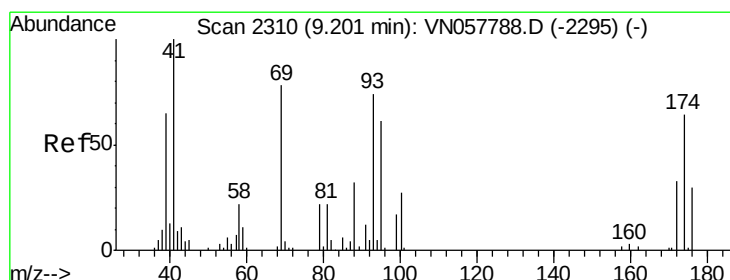
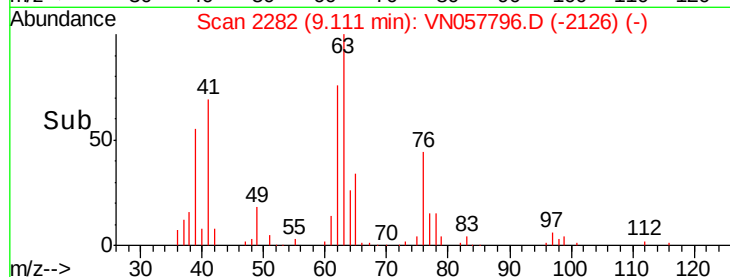
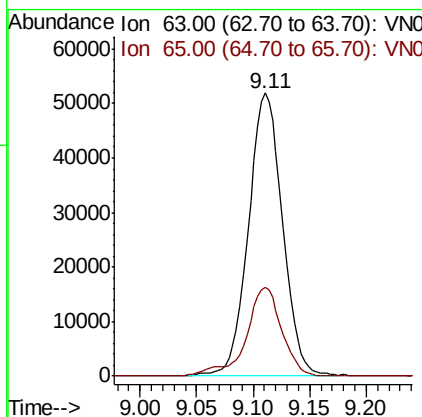
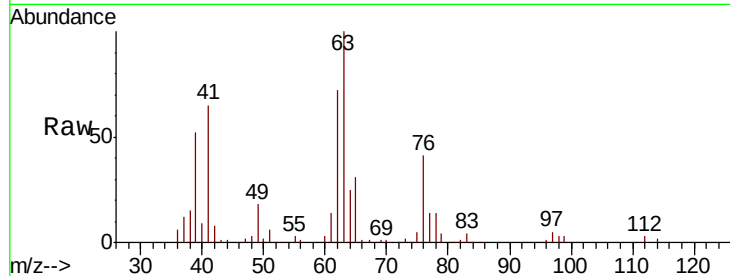
#39
 1,2-Dichloropropane
 Concen: 20.127 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN057796.D
 Acq: 9 Sep 2019 12:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0909WBSD01

Tgt Ion: 63 Resp: 108918
 Ion Ratio Lower Upper
 63 100
 65 31.3 23.6 35.4

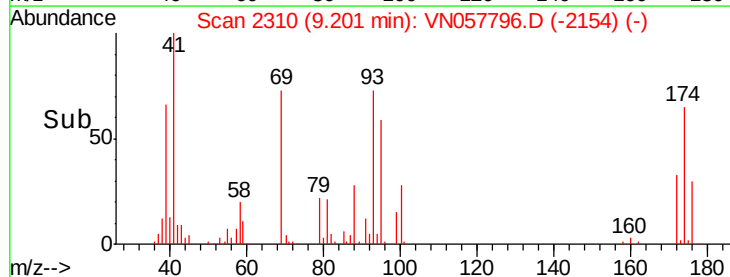
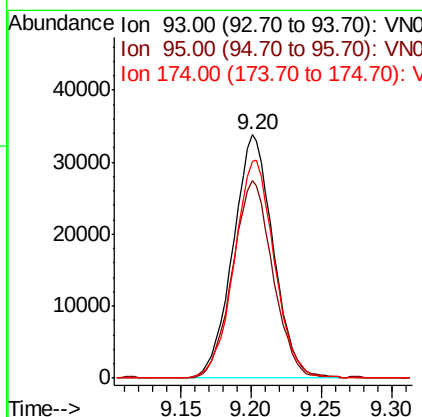
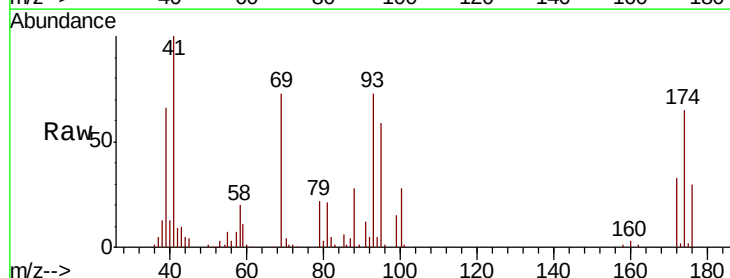
Manual Integrations
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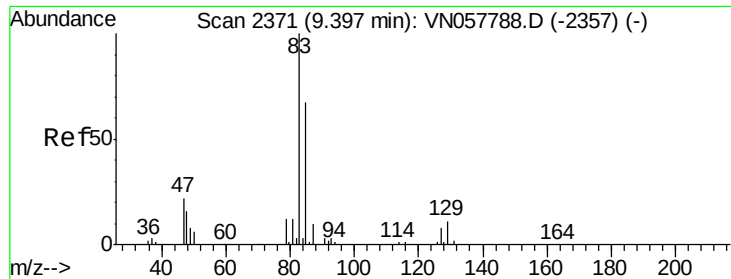
MMDadoda
 9/13/2019 11:05:04 AM



#40
 Dibromomethane
 Concen: 20.477 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN057796.D
 Acq: 9 Sep 2019 12:52

Tgt Ion: 93 Resp: 67398
 Ion Ratio Lower Upper
 93 100
 95 81.3 0.0 163.0
 174 89.2 0.0 171.4





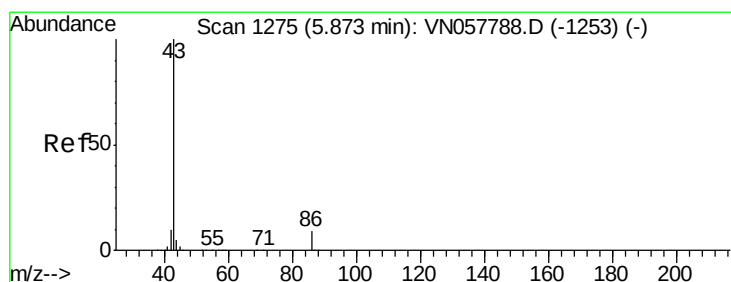
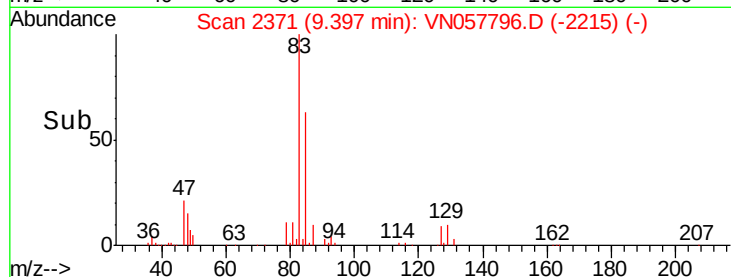
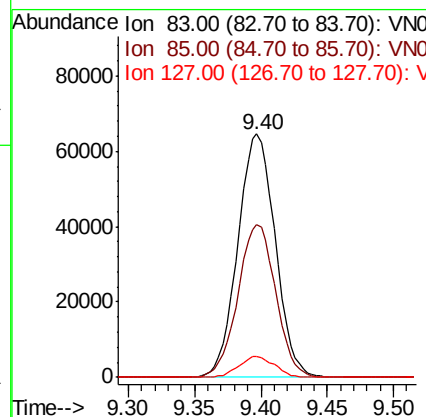
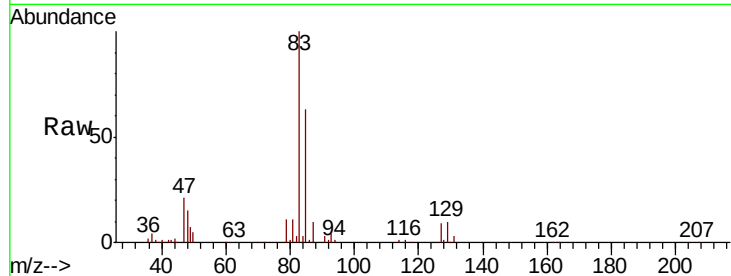
#41
Bromodichloromethane
Concen: 19.110 ug/l
RT: 9.40 min Scan# 2371
Delta R.T. 0.00 min
Lab File: VN057796.D
Acq: 9 Sep 2019 12:52

Instrument :
MSVOA_N
ClientSampleId :
VN0909WBSD01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.8	53.4	80.0
127	8.6	6.6	10.0

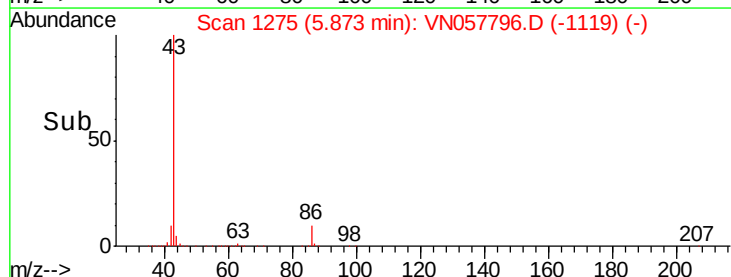
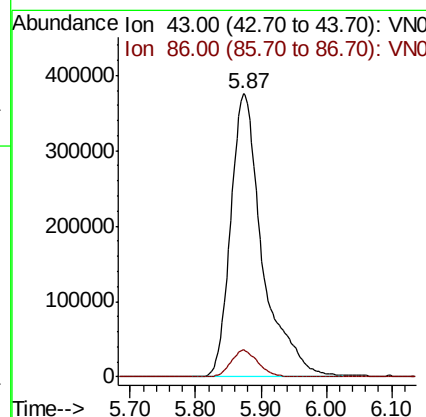
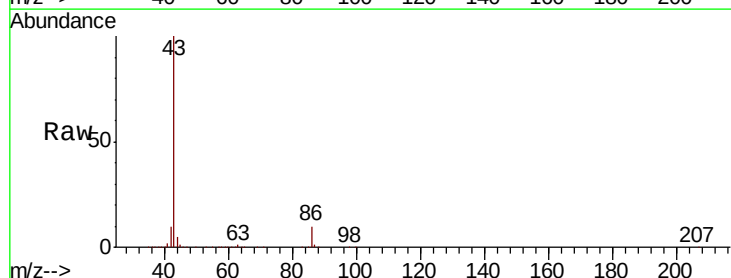
Manual Integrations
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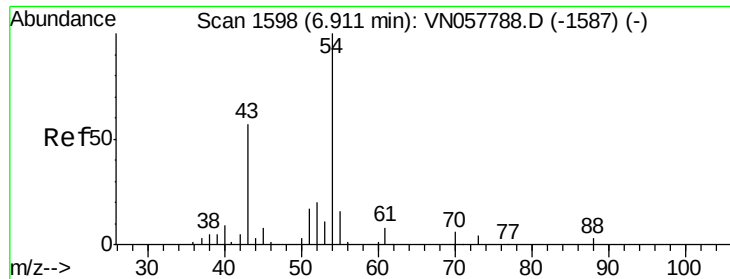
MMDadoda
9/13/2019 11:05:04 AM



#42
Vinyl Acetate
Concen: 107.407 ug/l
RT: 5.87 min Scan# 1275
Delta R.T. 0.00 min
Lab File: VN057796.D
Acq: 9 Sep 2019 12:52

Tgt Ion	Ratio	Lower	Upper
43	100		
86	8.1	6.3	9.5





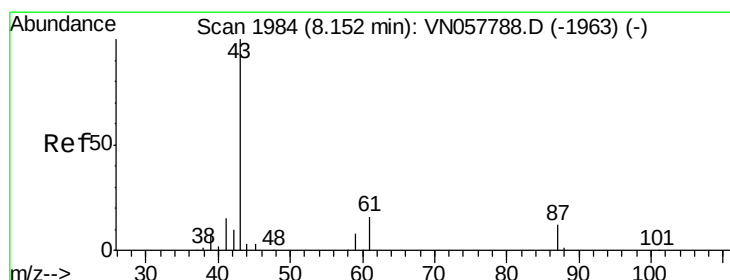
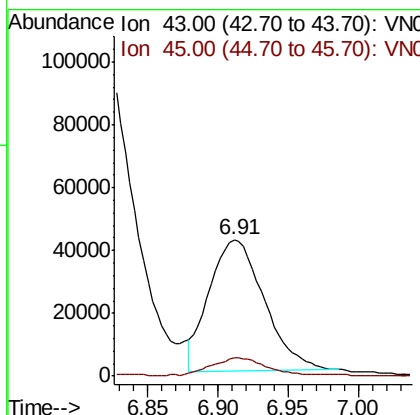
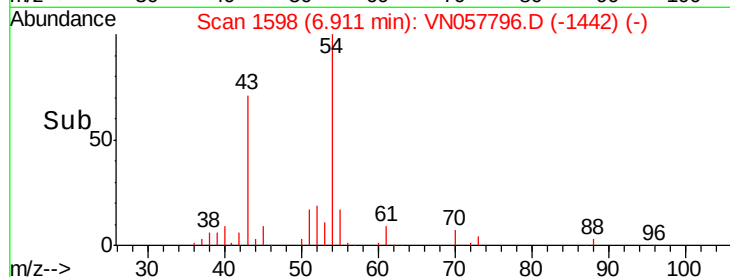
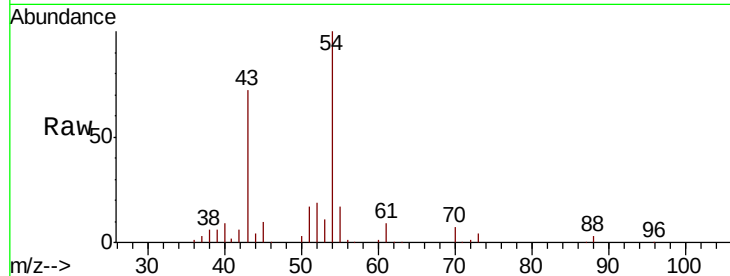
#43
Ethyl Acetate
Concen: 19.065 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VN057796.D
Acq: 9 Sep 2019 12:52

Instrument :
MSVOA_N
ClientSampled :
VN0909WBSD01

Tgt Ion: 43 Resp: 114060
Ion Ratio Lower Upper
43 100
45 12.4 5.4 8.0#

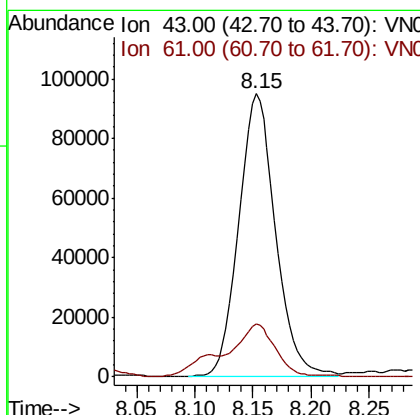
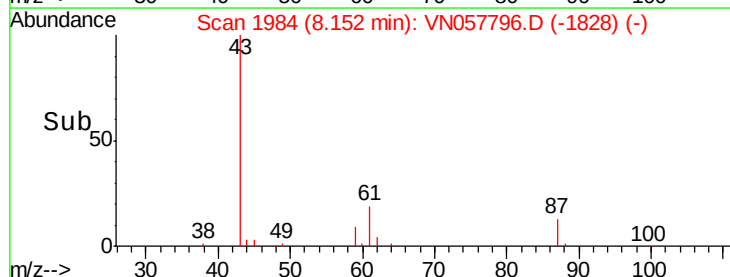
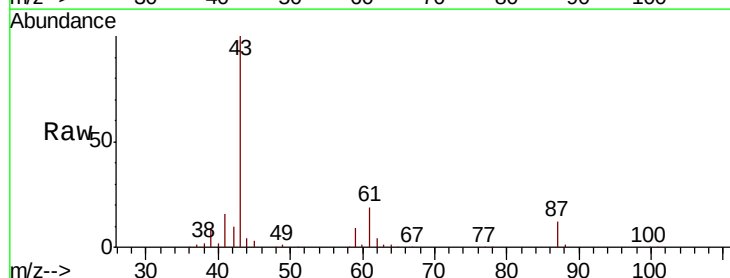
Manual Integrations
APPROVED

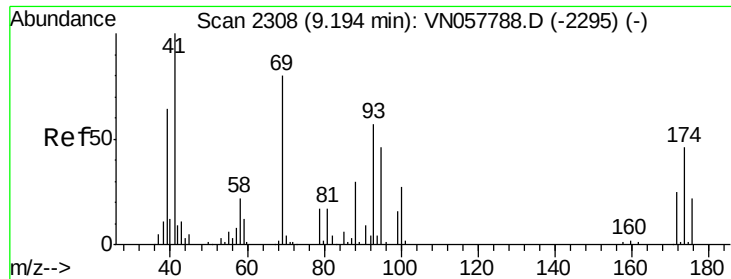
MMDadoda
9/13/2019 11:05:04 AM



#44
Isopropyl Acetate
Concen: 19.976 ug/l
RT: 8.15 min Scan# 1984
Delta R.T. 0.00 min
Lab File: VN057796.D
Acq: 9 Sep 2019 12:52

Tgt Ion: 43 Resp: 208373
Ion Ratio Lower Upper
43 100
61 18.0 0.1 0.1#





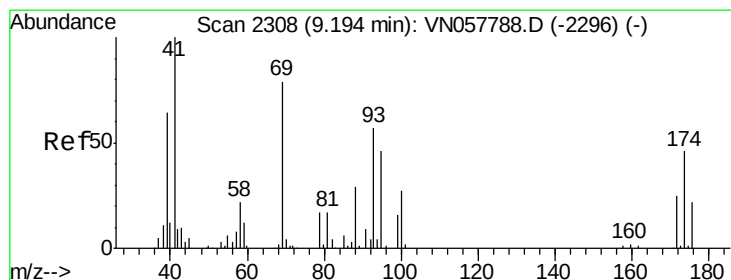
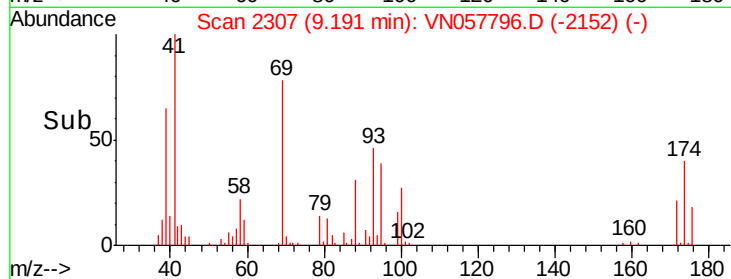
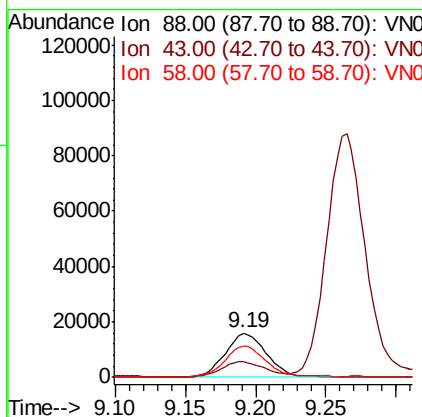
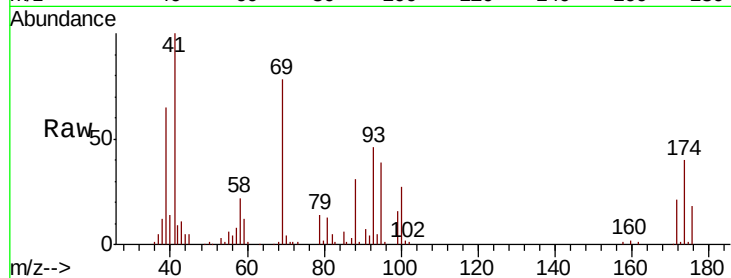
#45
 1,4-Dioxane
 Concen: 399.716 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN057796.D
 Acq: 9 Sep 2019 12:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0909WBSD01

Tgt Ion	Ratio	Lower	Upper
88	100		
43	34.0	28.2	42.4
58	70.4	58.5	87.7

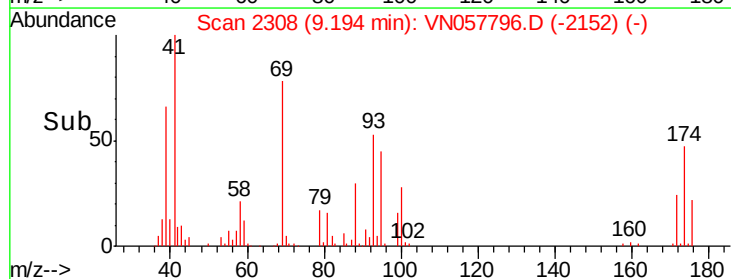
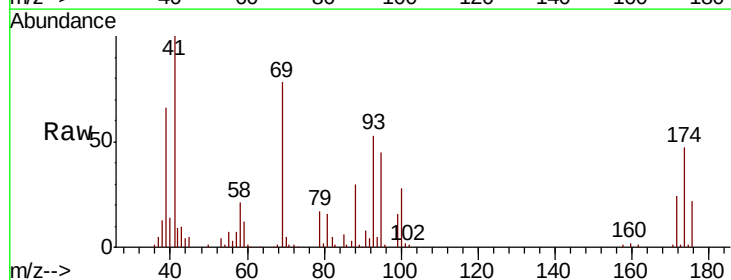
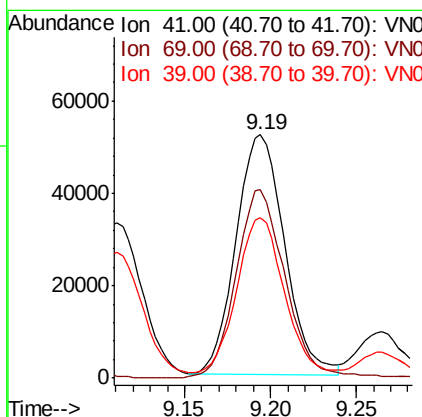
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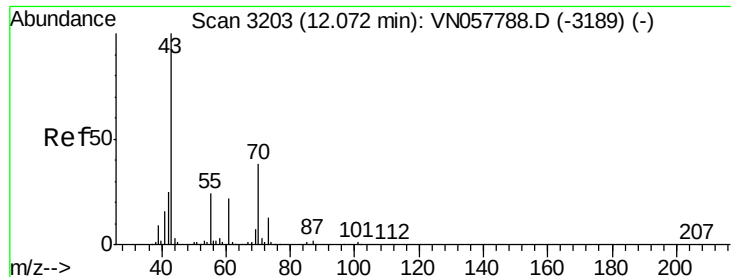
MMDadoda
 9/13/2019 11:05:04 AM



#46
 Methyl methacrylate
 Concen: 20.116 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN057796.D
 Acq: 9 Sep 2019 12:52

Tgt Ion	Ratio	Lower	Upper
41	100		
69	78.4	39.6	119.0
39	64.6	31.9	95.7





#47

n-amyl Acetate

Concen: 19.107 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN057796.D

Acq: 9 Sep 2019 12:52

Instrument :

MSVOA_N

ClientSampled :

VN0909WBSD01

Tgt Ion: 43 Resp: 183083

Ion Ratio Lower Upper

43 100

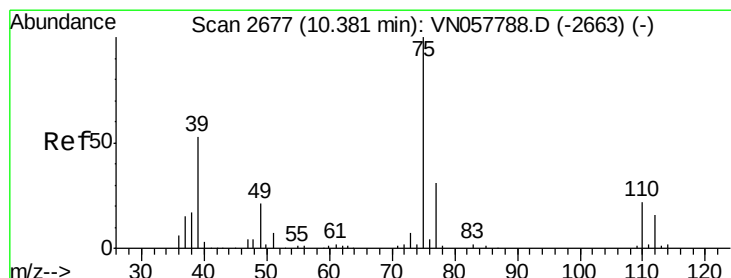
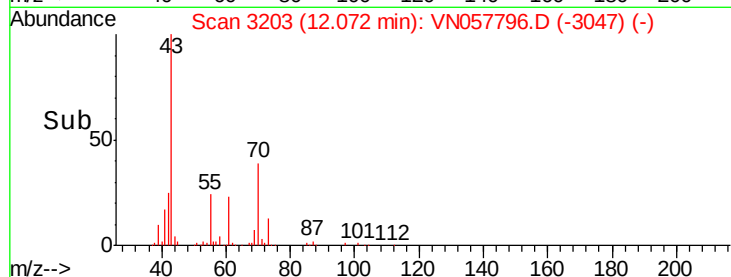
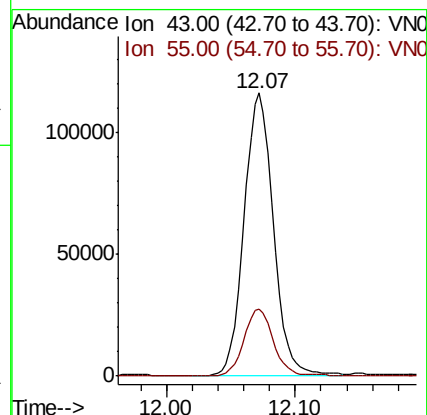
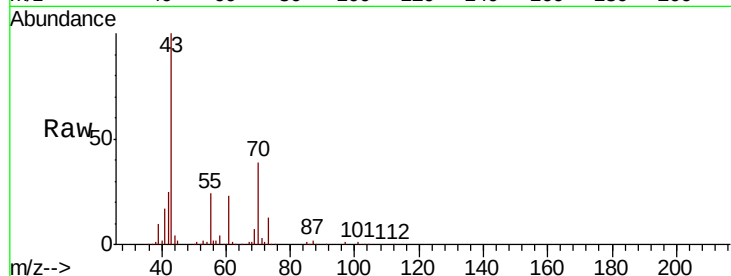
55 23.9 18.3 27.5

Manual Integrations

APPROVED

MMDadoda

9/13/2019 11:05:04 AM



#48

t-1,3-Dichloropropene

Concen: 18.429 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN057796.D

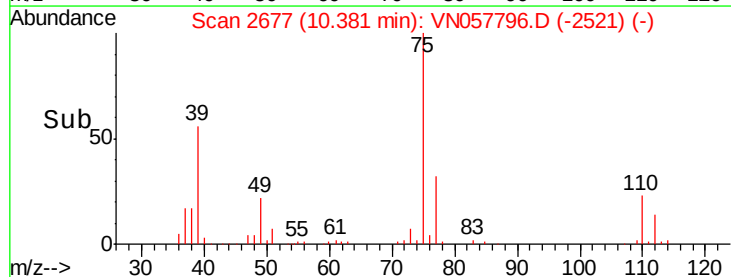
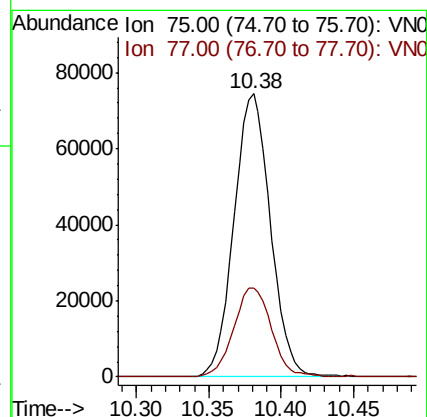
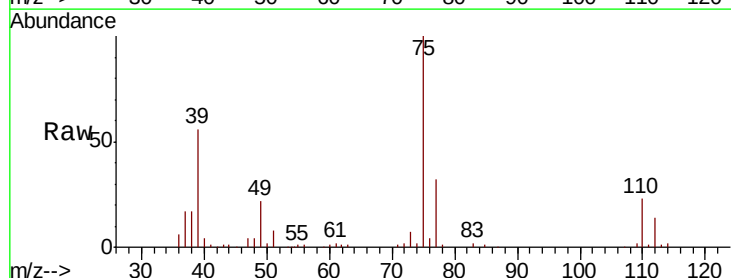
Acq: 9 Sep 2019 12:52

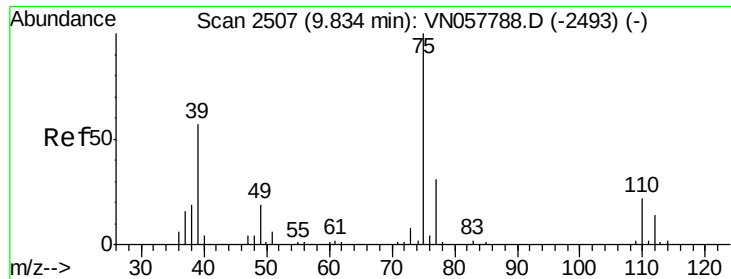
Tgt Ion: 75 Resp: 130186

Ion Ratio Lower Upper

75 100

77 31.6 24.9 37.3





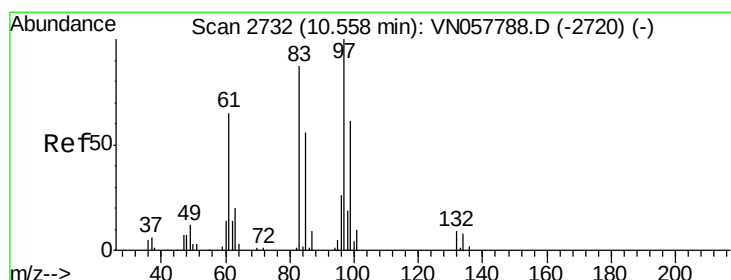
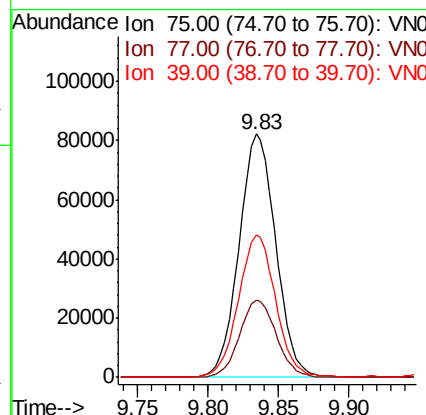
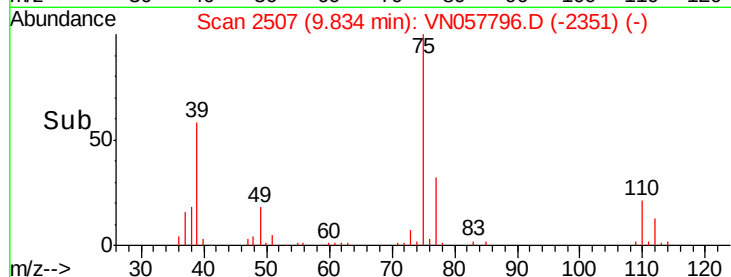
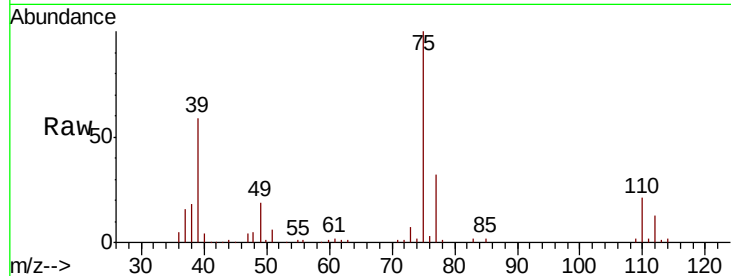
#49
 cis-1,3-Dichloropropene
 Concen: 18.943 ug/l
 RT: 9.83 min Scan# 2507
 Delta R.T. 0.00 min
 Lab File: VN057796.D
 Acq: 9 Sep 2019 12:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0909WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	150144		
77	31.8	24.6	36.8	
39	58.5	45.8	68.8	

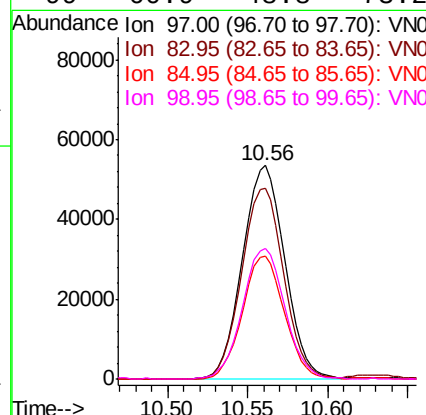
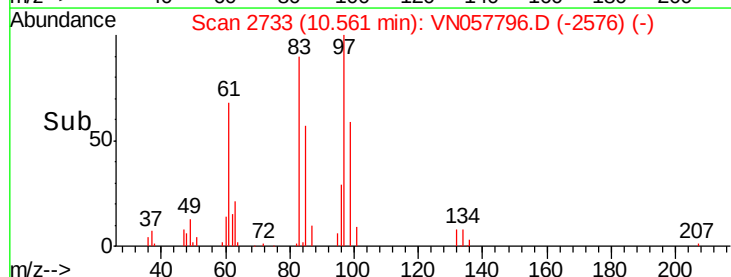
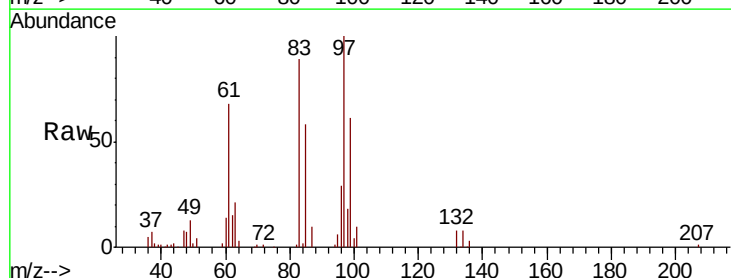
Manual Integrations
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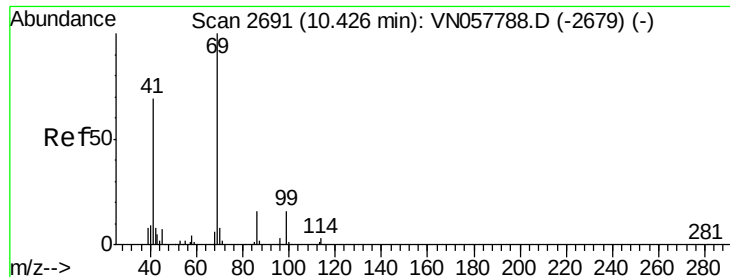
MMDadoda
 9/13/2019 11:05:04 AM



#50
 1,1,2-Trichloroethane
 Concen: 20.282 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN057796.D
 Acq: 9 Sep 2019 12:52

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	96830		
83	89.4	69.4	104.2	
85	57.5	45.0	67.6	
99	60.9	48.8	73.2	





#51

Ethyl methacrylate

Concen: 19.549 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN057796.D

Acq: 9 Sep 2019 12:52

Instrument :

MSVOA_N

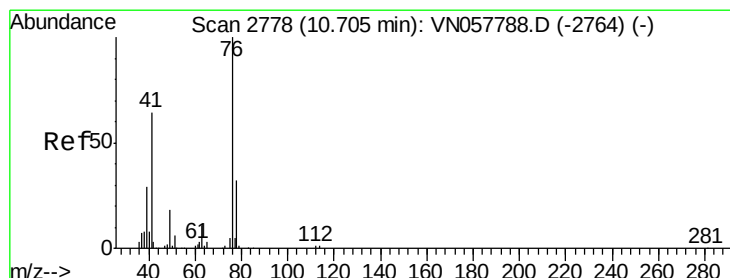
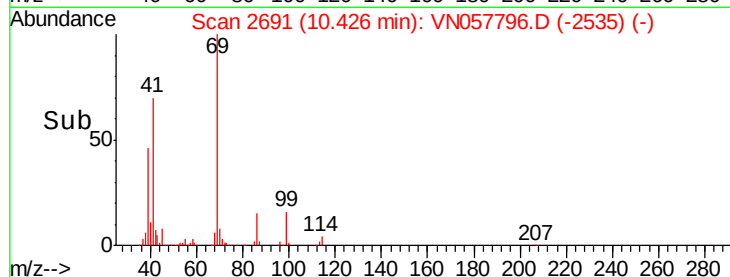
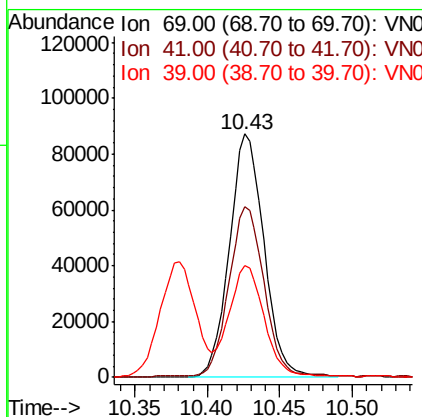
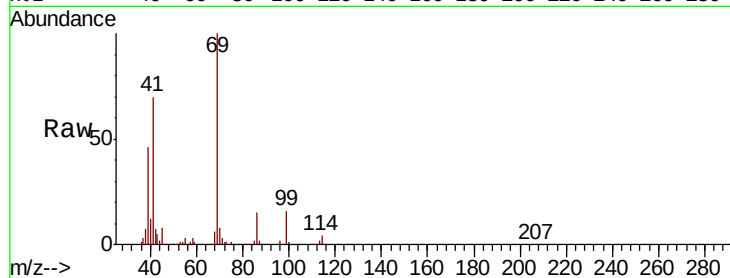
ClientSampleId :

VN0909WBSD01

Tgt Ion:	69	Resp:	144714
Ion Ratio	Lower	Upper	
69	100		
41	69.7	34.5	103.5
39	45.4	22.4	67.3

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#52

1,3-Dichloropropane

Concen: 20.062 ug/l

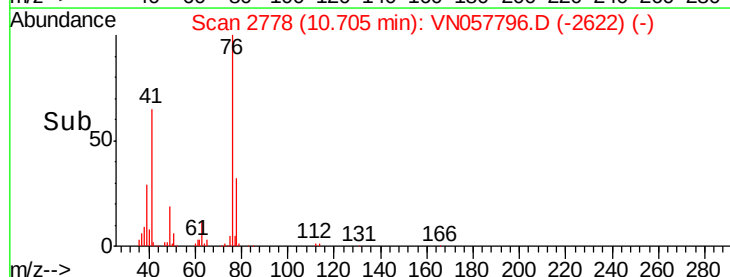
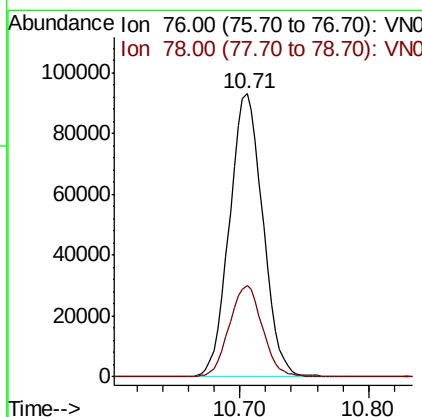
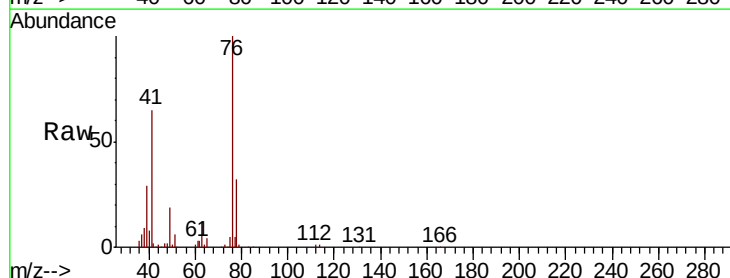
RT: 10.71 min Scan# 2778

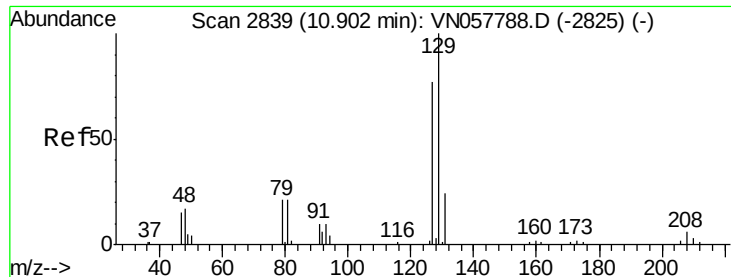
Delta R.T. 0.00 min

Lab File: VN057796.D

Acq: 9 Sep 2019 12:52

Tgt Ion:	76	Resp:	167498
Ion Ratio	Lower	Upper	
76	100		
78	32.0	0.0	63.8





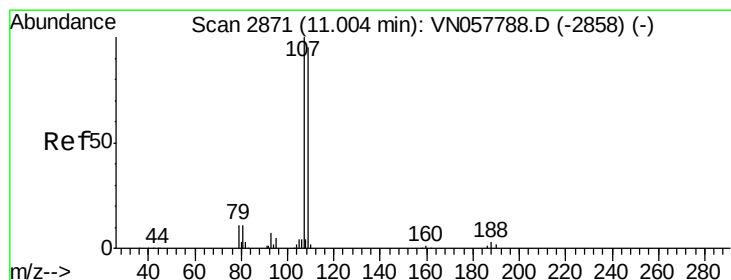
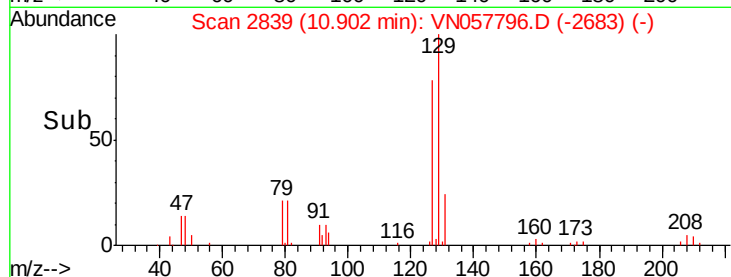
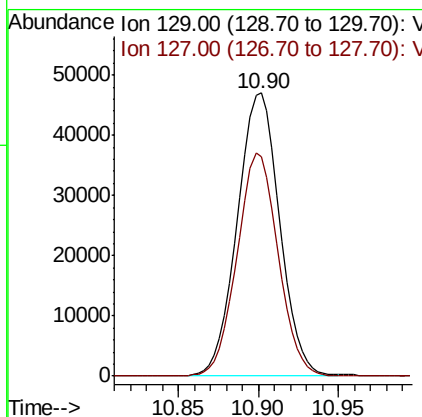
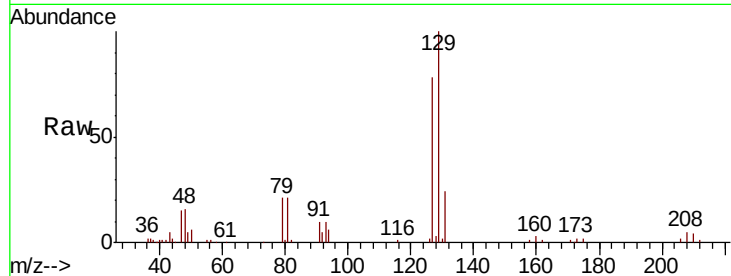
#53
Dibromochloromethane
Concen: 18.020 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN057796.D
Acq: 9 Sep 2019 12:52

Instrument :
MSVOA_N
ClientSampleId :
VN0909WBSD01

Tgt Ion:129 Resp: 84963
Ion Ratio Lower Upper
129 100
127 76.3 38.8 116.3

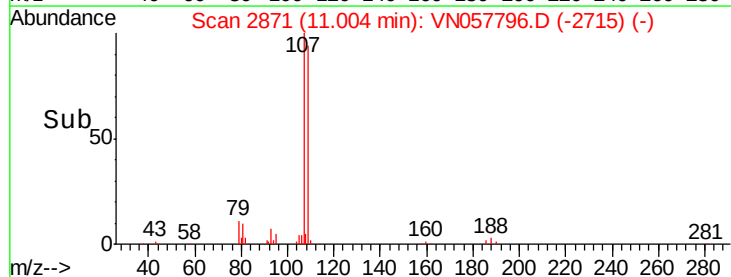
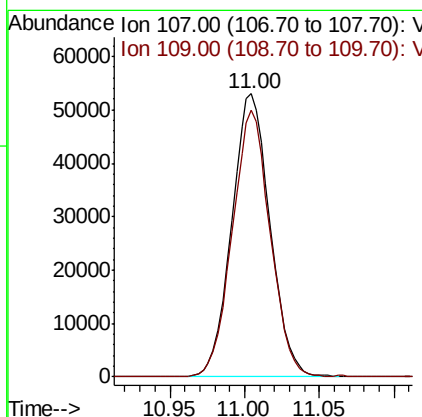
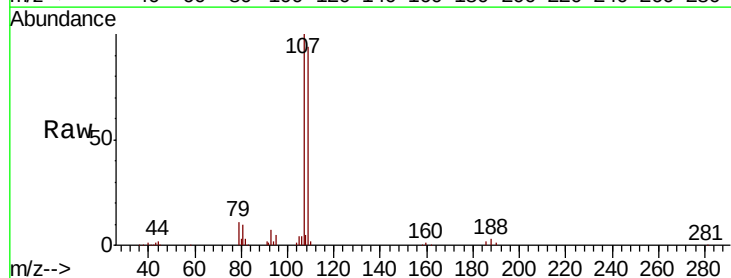
Manual Integrations
APPROVED

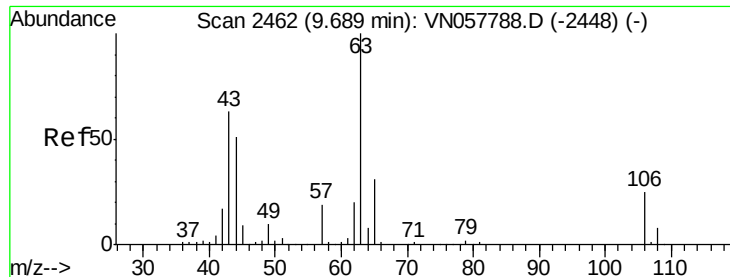
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9/13/2019 11:05:04 AM



#54
1,2-Dibromoethane
Concen: 19.817 ug/l
RT: 11.00 min Scan# 2871
Delta R.T. 0.00 min
Lab File: VN057796.D
Acq: 9 Sep 2019 12:52

Tgt Ion:107 Resp: 94134
Ion Ratio Lower Upper
107 100
109 93.4 75.4 113.0





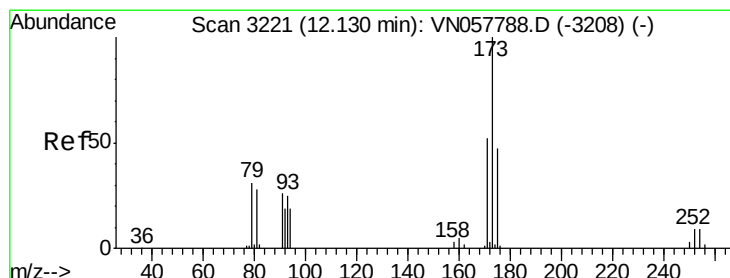
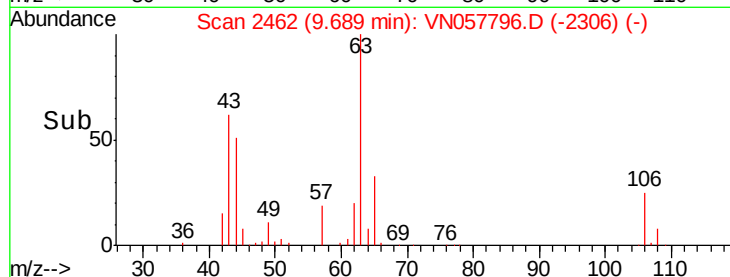
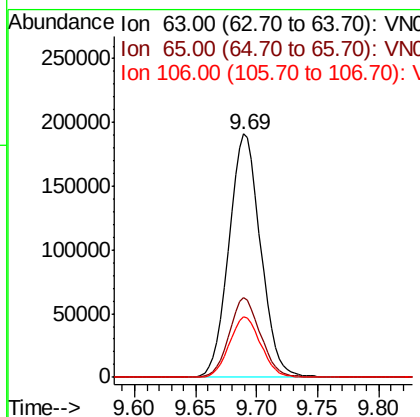
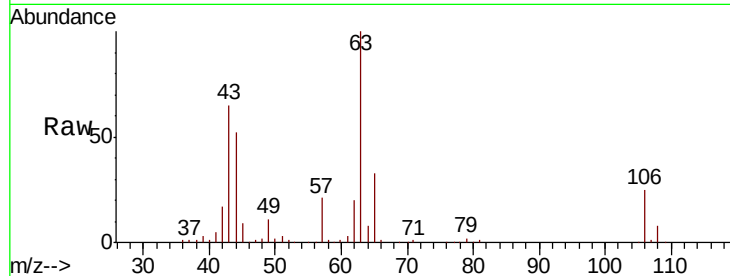
#55
2-Chloroethyl vinyl ether
Concen: 98.584 ug/l
RT: 9.69 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VN057796.D
Acq: 9 Sep 2019 12:52

Instrument :
MSVOA_N
ClientSampleId :
VN0909WBSD01

Tgt Ion	Ratio	Lower	Upper
63	100		
65	32.2	25.0	37.6
106	24.6	19.8	29.8

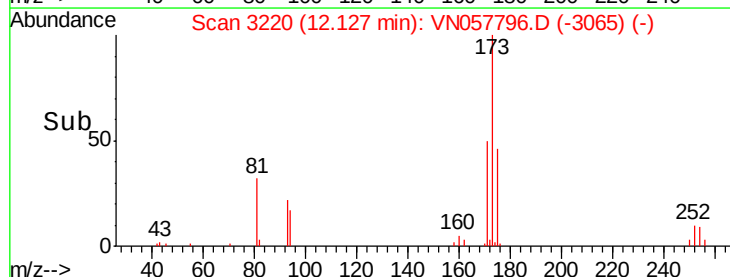
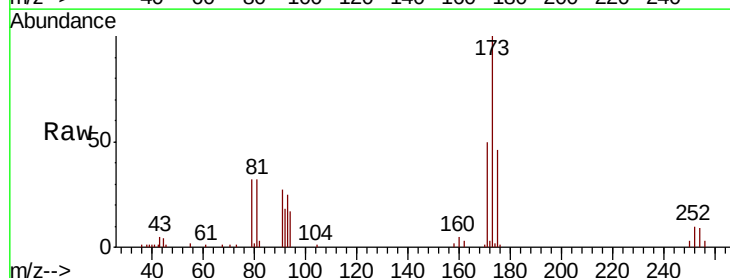
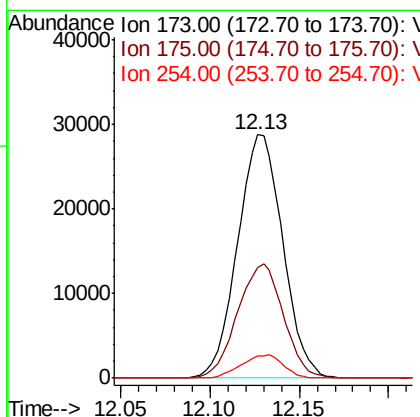
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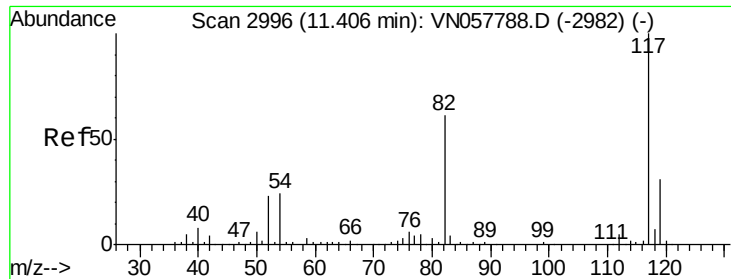
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#56
Bromoform
Concen: 17.441 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN057796.D
Acq: 9 Sep 2019 12:52

Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.6	38.4	57.6
254	8.8	6.9	10.3





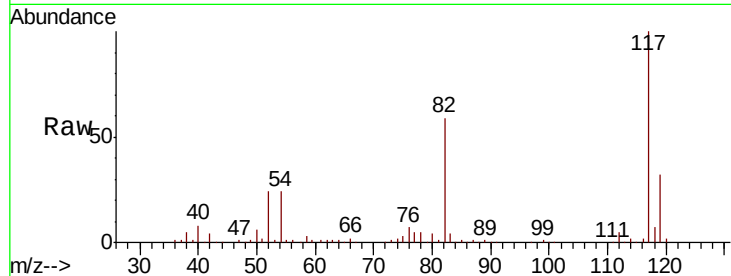
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057796.D
Acq: 9 Sep 2019 12:52

Instrument :
MSVOA_N
ClientSampleId :
VN0909WBSD01

Tgt Ion	Ratio	Lower	Upper
117	100		
82	59.3	47.6	71.4
119	31.7	25.4	38.2

Manual Integrations
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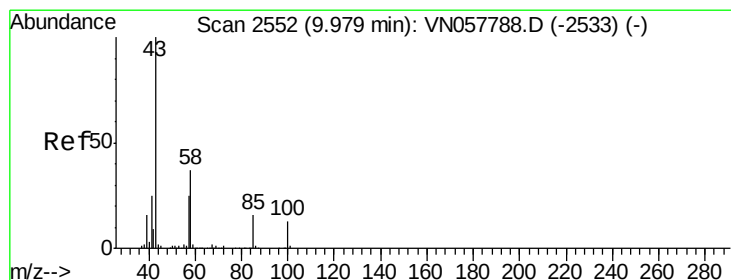
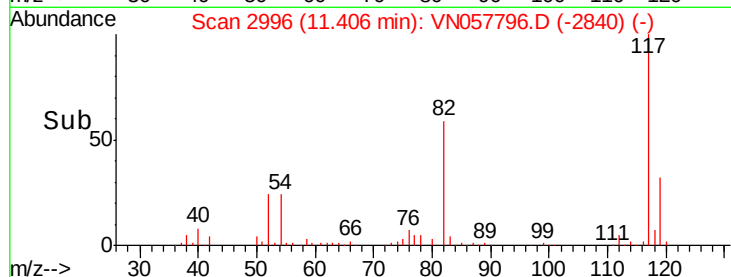
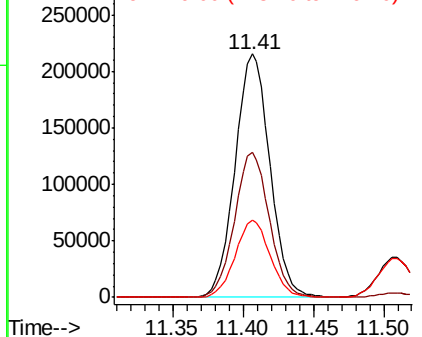


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V



#58
4-Methyl-2-Pentanone
Concen: 110.538 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. 0.00 min
Lab File: VN057796.D
Acq: 9 Sep 2019 12:52

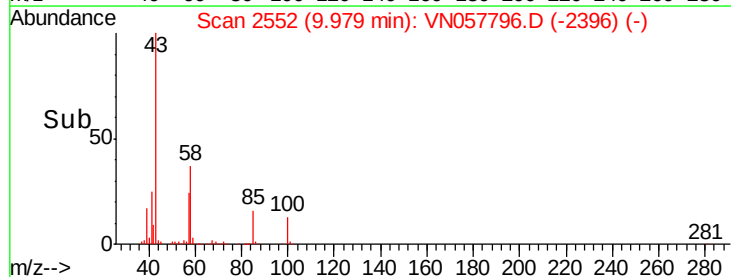
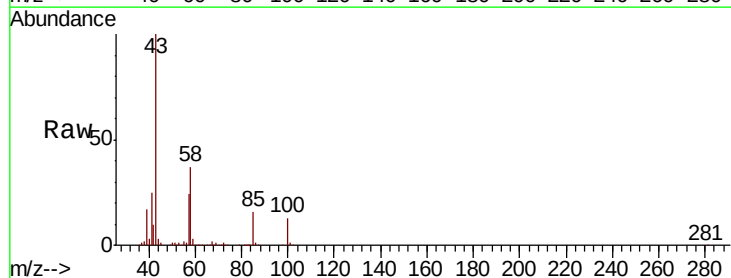
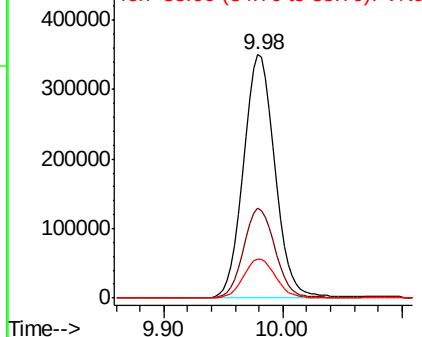
Tgt Ion	Ratio	Lower	Upper
43	100		
58	37.0	29.4	44.0
85	16.5	12.9	19.3

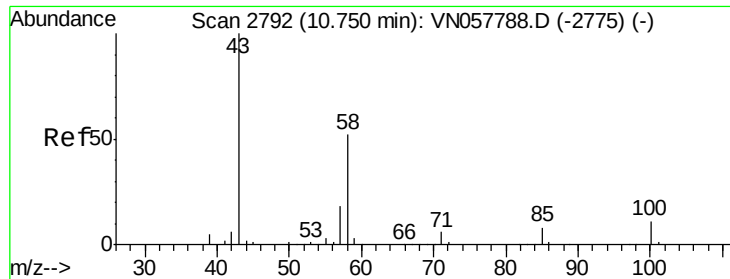
Abundance

Ion 43.00 (42.70 to 43.70): V

Ion 58.00 (57.70 to 58.70): V

Ion 85.00 (84.70 to 85.70): V





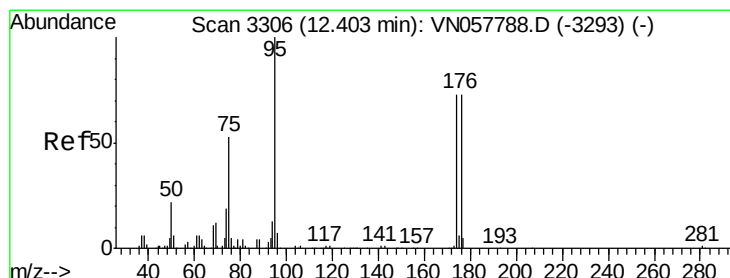
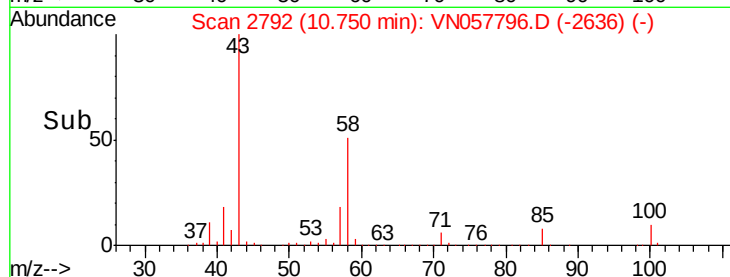
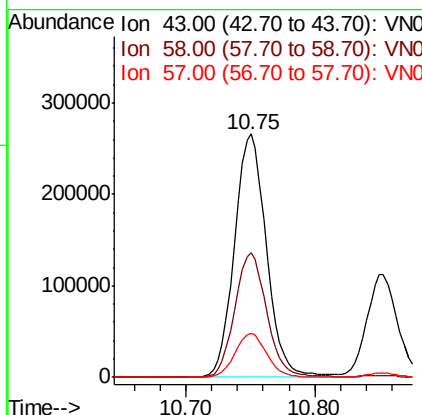
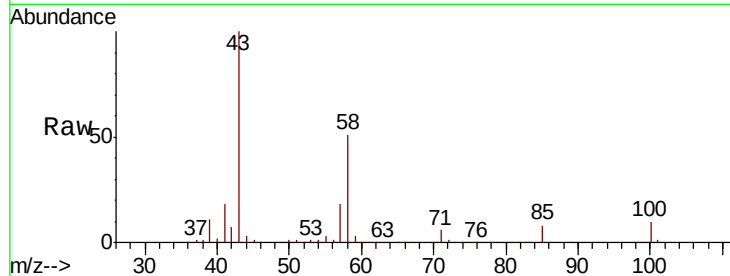
#59
2-Hexanone
Concen: 105.173 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN057796.D
Acq: 9 Sep 2019 12:52

Instrument :
MSVOA_N
ClientSampled :
VN0909WBSD01

Tgt Ion	Ratio	Lower	Upper
43	100		
58	51.0	40.6	61.0
57	18.2	14.5	21.7

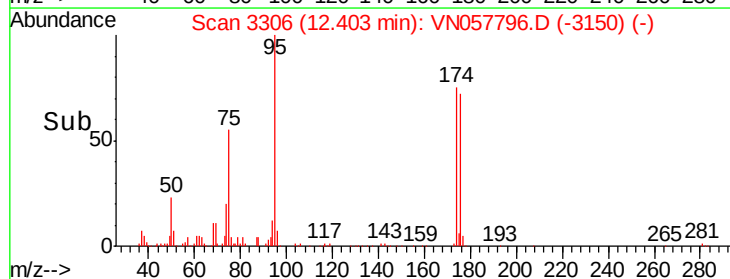
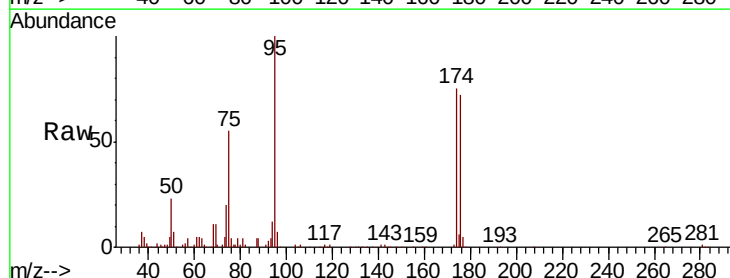
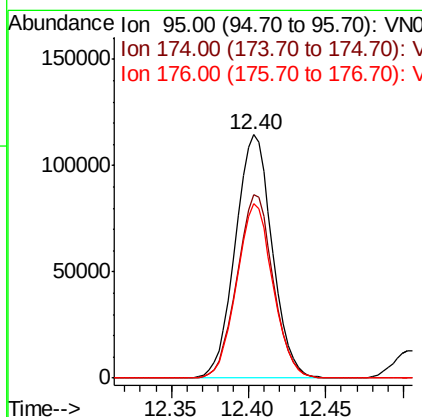
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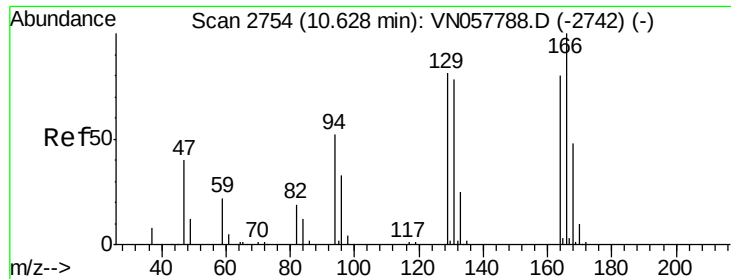
MMDadoda
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#60
4-Bromofluorobenzene
Concen: 29.641 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN057796.D
Acq: 9 Sep 2019 12:52

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.1	59.4	89.0
176	70.7	57.4	86.0





#61

Tetrachloroethene

Concen: 19.907 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. 0.00 min

Lab File: VN057796.D

Acq: 9 Sep 2019 12:52

Instrument :

MSVOA_N

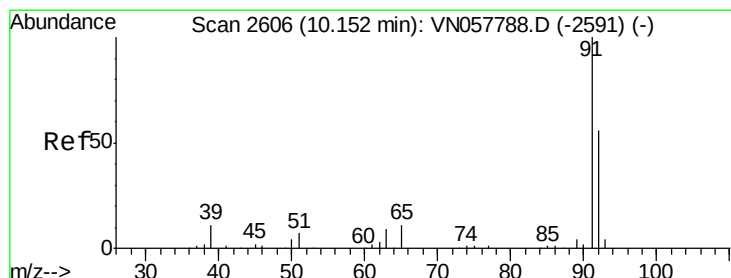
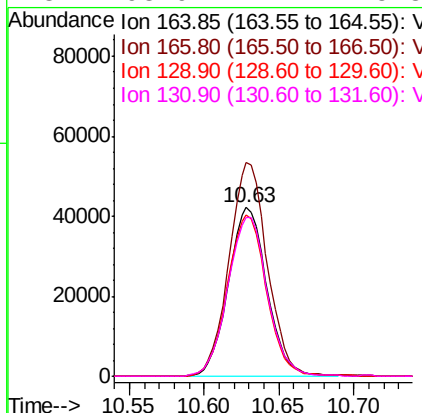
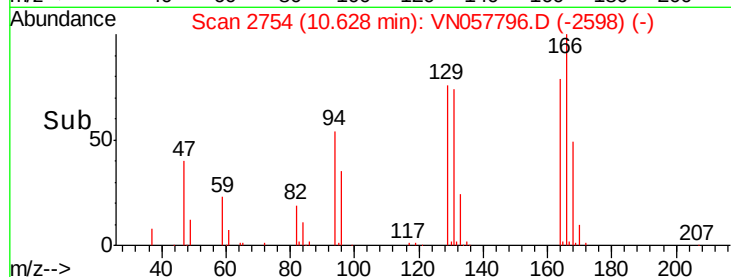
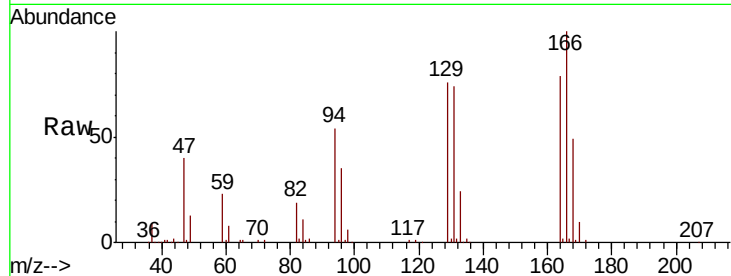
ClientSampleId :

VN0909WBSD01

Tgt Ion:	164	Resp:	75630
Ion	Ratio	Lower	Upper
164	100		
166	126.3	99.6	149.4
129	96.0	80.9	121.3
131	93.9	77.2	115.8

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#62

Toluene

Concen: 20.709 ug/l

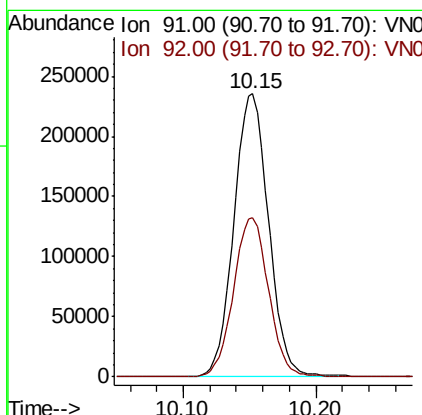
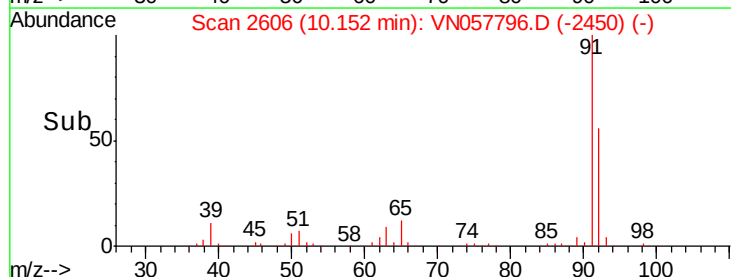
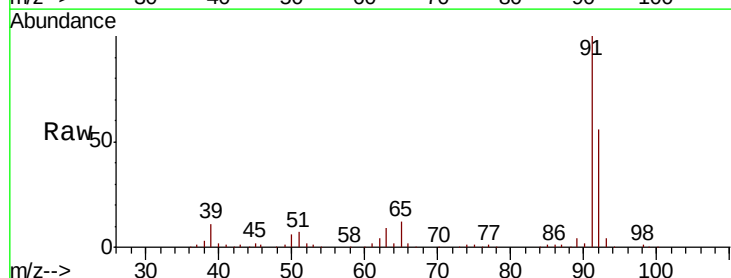
RT: 10.15 min Scan# 2606

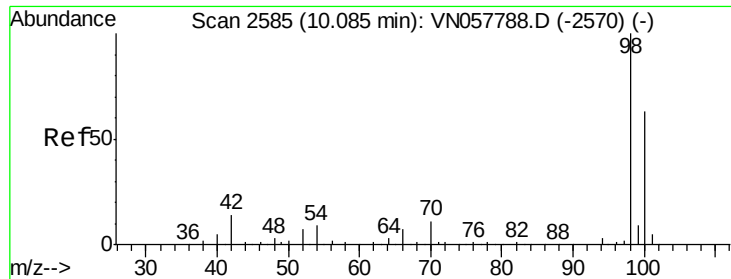
Delta R.T. 0.00 min

Lab File: VN057796.D

Acq: 9 Sep 2019 12:52

Tgt Ion:	91	Resp:	428484
Ion	Ratio	Lower	Upper
91	100		
92	56.8	44.9	67.3





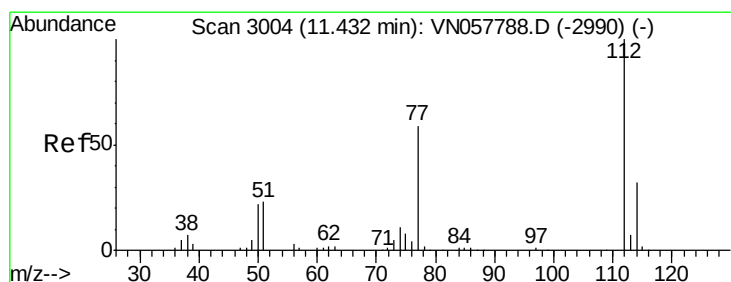
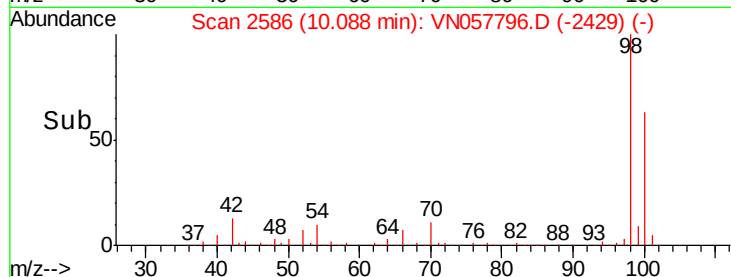
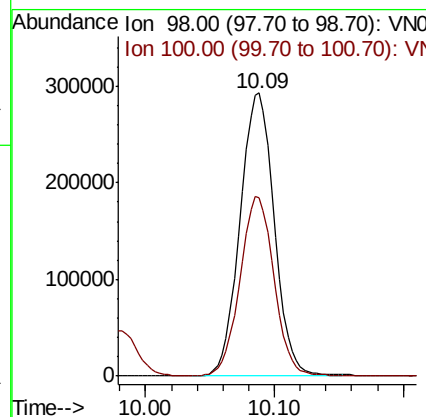
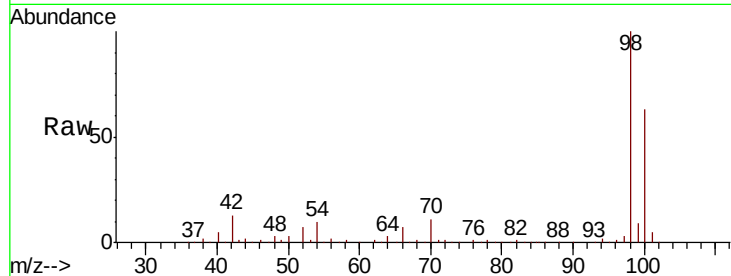
#63
Toluene-d8
Concen: 30.156 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN057796.D
Acq: 9 Sep 2019 12:52

Instrument :
MSVOA_N
ClientSampleId :
VN0909WBSD01

Tgt Ion: 98 Resp: 540864
Ion Ratio Lower Upper
98 100
100 62.9 50.3 75.5

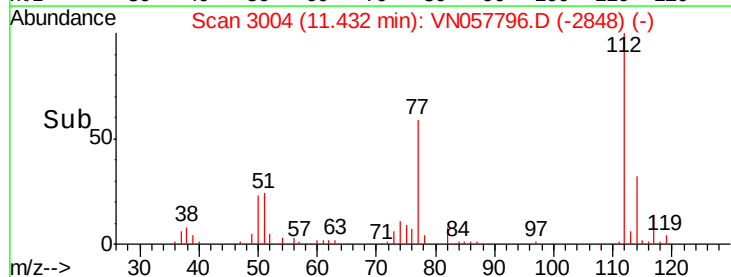
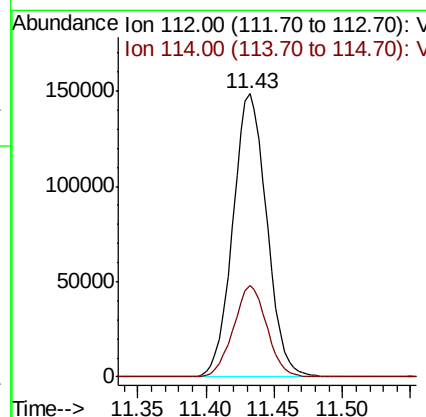
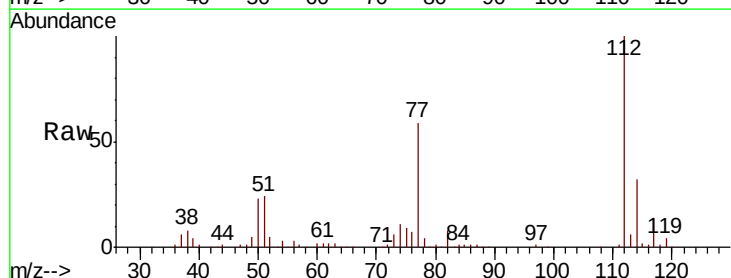
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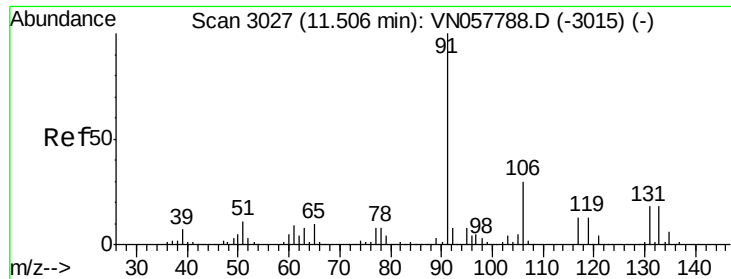
MMDadoda
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#64
Chlorobenzene
Concen: 19.994 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN057796.D
Acq: 9 Sep 2019 12:52

Tgt Ion: 112 Resp: 256618
Ion Ratio Lower Upper
112 100
114 32.3 25.4 38.0





#65

1,1,1,2-Tetrachloroethane

Concen: 19.357 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN057796.D

Acq: 9 Sep 2019 12:52

Instrument :

MSVOA_N

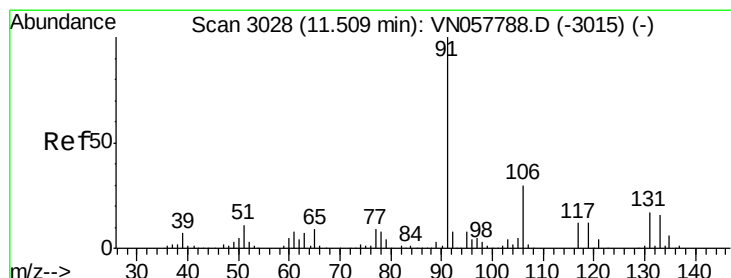
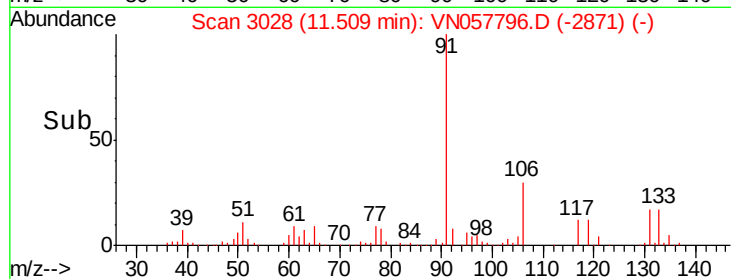
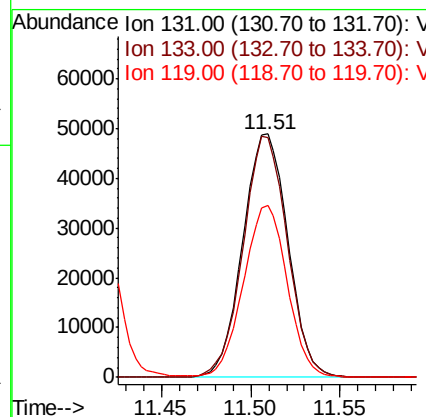
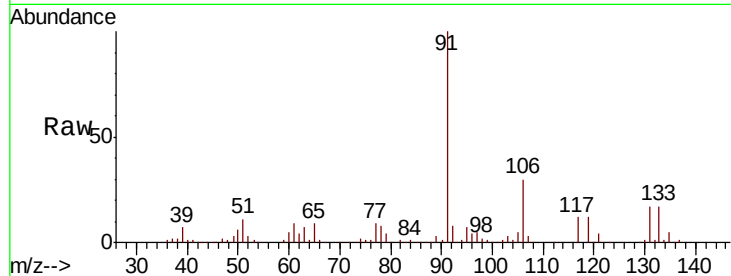
ClientSampleId :

VN0909WBSD01

Tgt Ion: 131 Resp: 86265
 Ion Ratio Lower Upper
 131 100
 133 97.2 0.0 189.2
 119 68.8 0.0 136.4

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#66

Ethyl Benzene

Concen: 21.012 ug/l

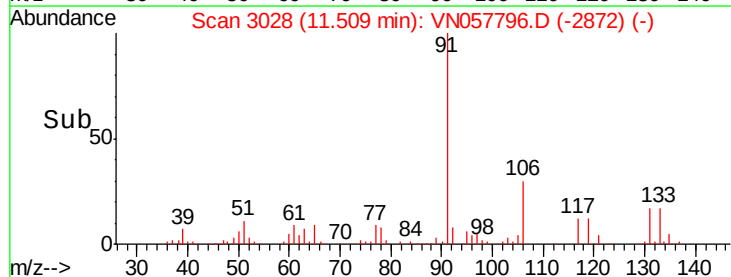
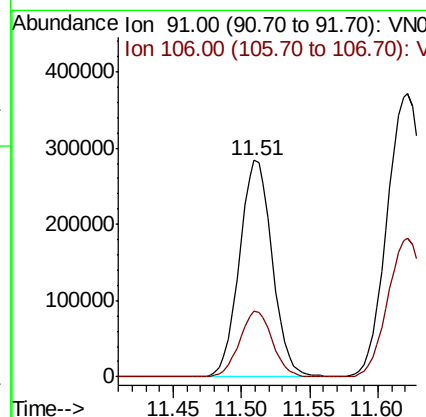
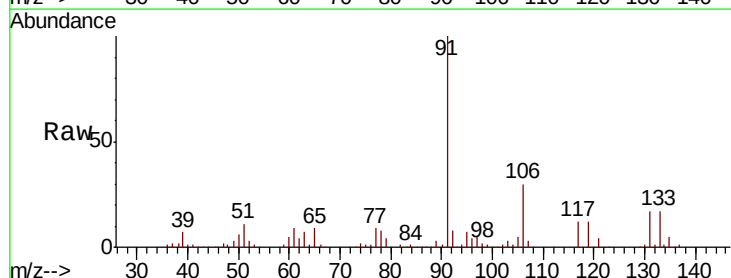
RT: 11.51 min Scan# 3028

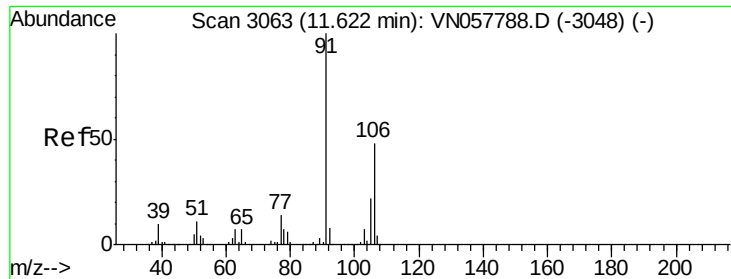
Delta R.T. 0.00 min

Lab File: VN057796.D

Acq: 9 Sep 2019 12:52

Tgt Ion: 91 Resp: 474481
 Ion Ratio Lower Upper
 91 100
 106 30.3 24.0 36.0





#67

m/p-Xylenes

Concen: 40.276 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN057796.D

Acq: 9 Sep 2019 12:52

Instrument :

MSVOA_N

ClientSampleId :

VN0909WBSD01

Tgt Ion:106 Resp: 347127

Ion Ratio Lower Upper

106 100

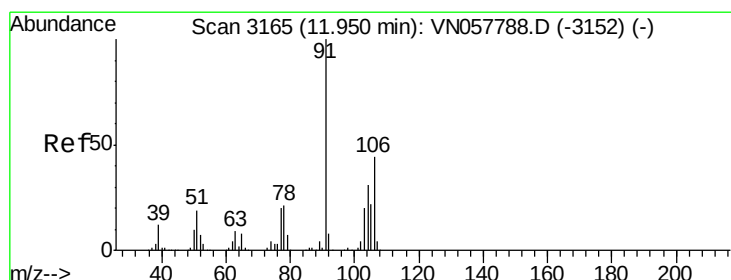
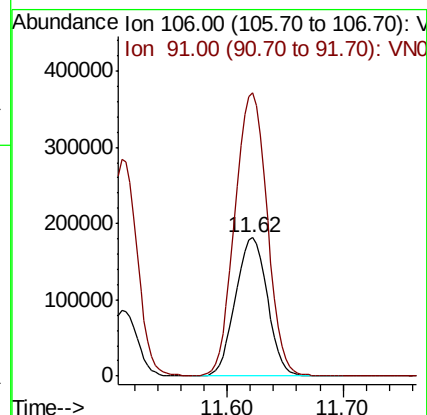
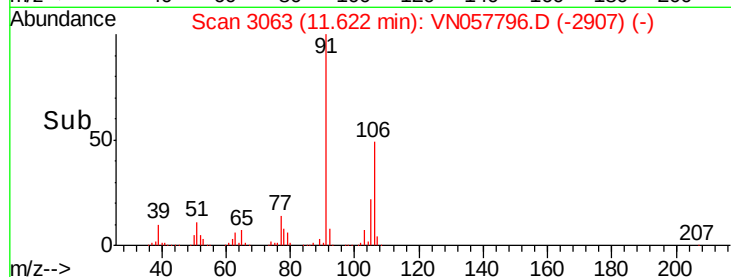
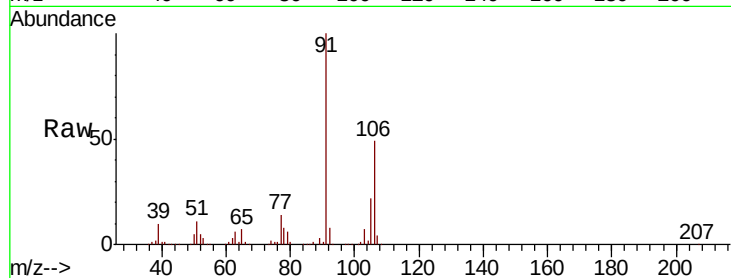
91 206.8 166.1 249.1

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#68

o-Xylene

Concen: 19.821 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. -0.00 min

Lab File: VN057796.D

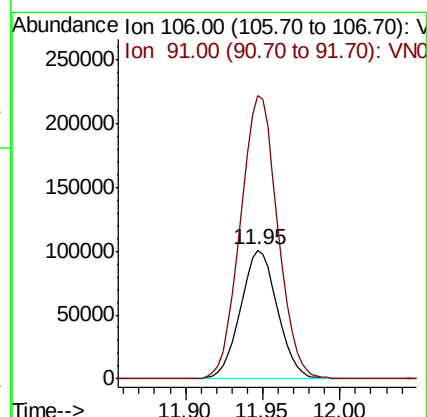
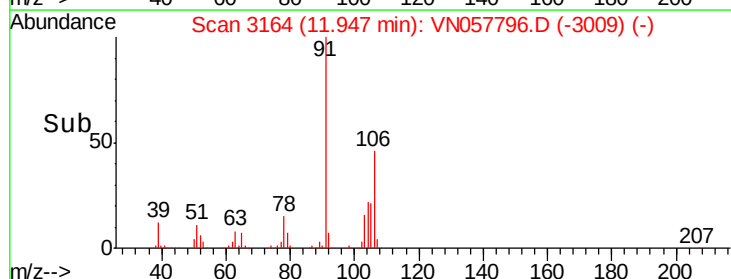
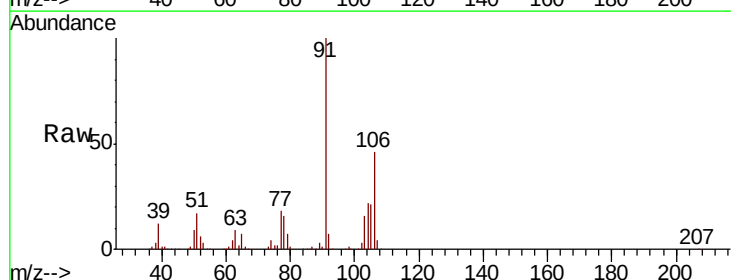
Acq: 9 Sep 2019 12:52

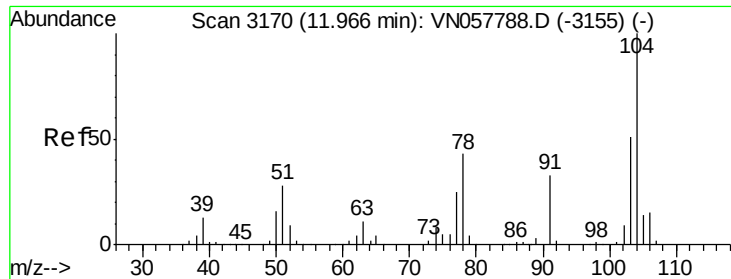
Tgt Ion:106 Resp: 167356

Ion Ratio Lower Upper

106 100

91 222.0 111.5 334.4





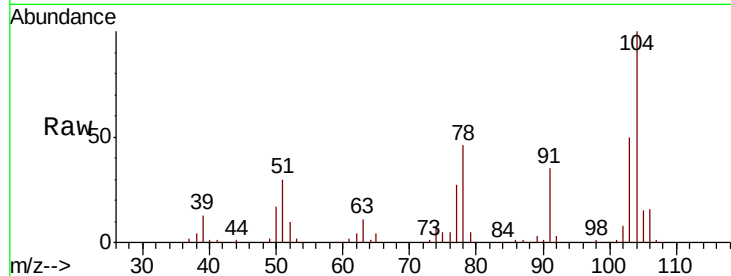
#69
Styrene
Concen: 19.664 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN057796.D
Acq: 9 Sep 2019 12:52

Instrument :
MSVOA_N
ClientSampleId :
VN0909WBSD01

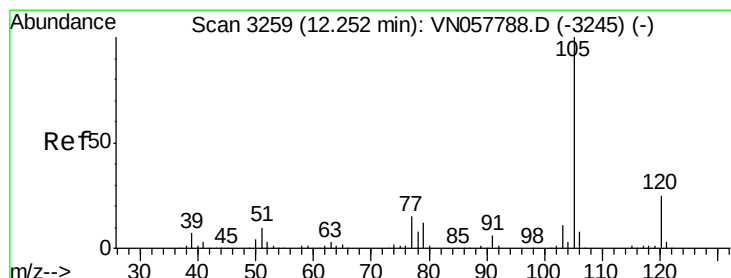
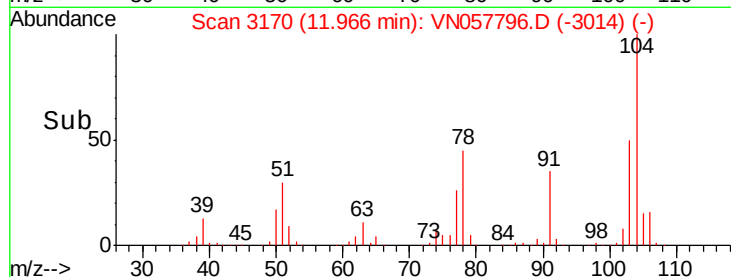
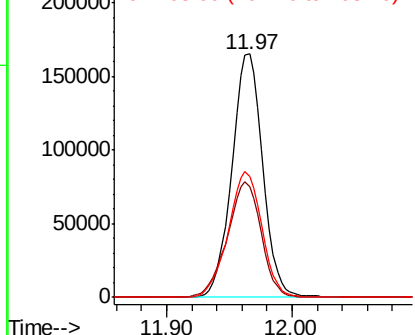
Tgt Ion	Ratio	Resp	Lower	Upper
104	100	283090		
78	51.9	41.5	62.3	
103	56.2	44.8	67.2	

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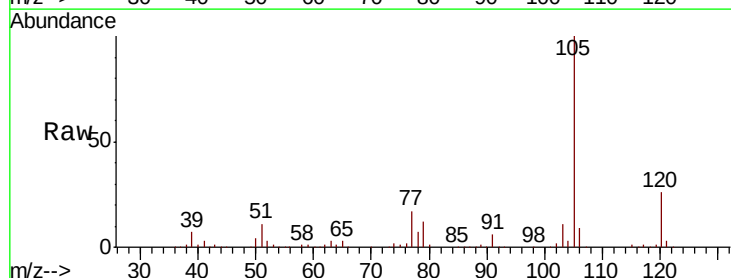


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

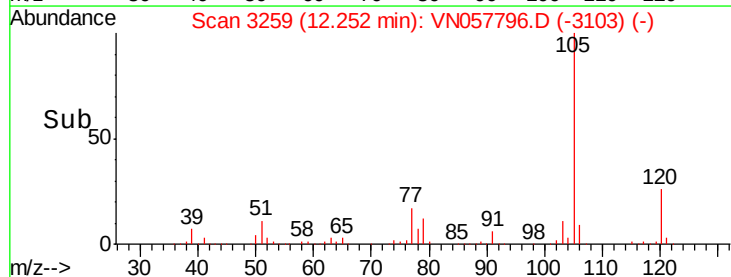
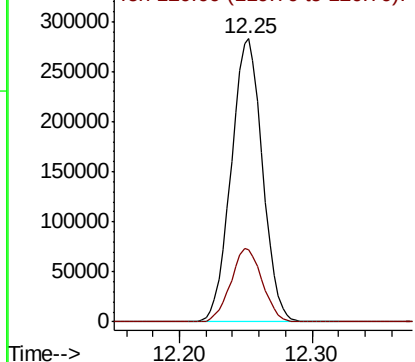


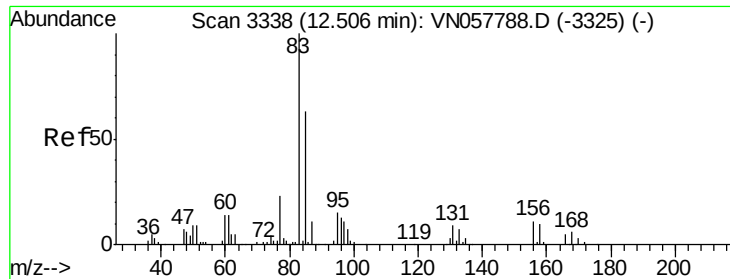
#70
Isopropylbenzene
Concen: 20.707 ug/l
RT: 12.25 min Scan# 3259
Delta R.T. 0.00 min
Lab File: VN057796.D
Acq: 9 Sep 2019 12:52

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	462238		
120	26.0	17.6	32.6	



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





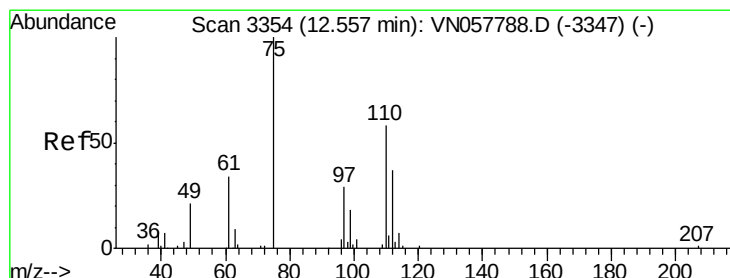
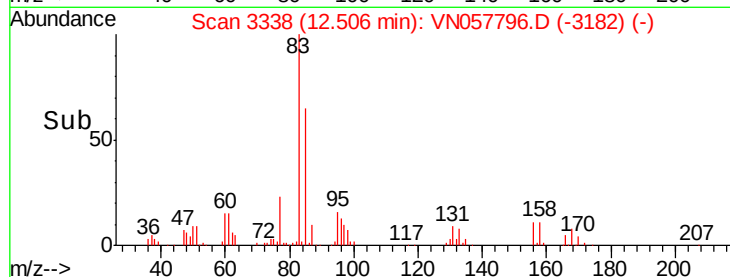
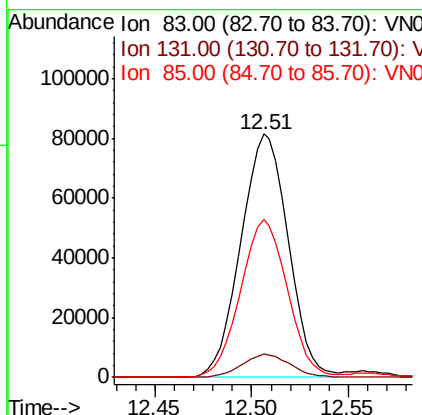
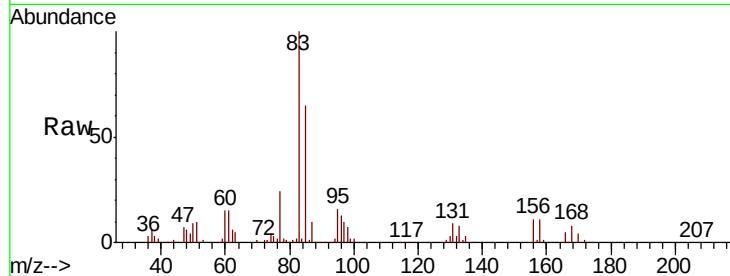
#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.976 ug/l
 RT: 12.51 min Scan# 3338
 Delta R.T. 0.00 min
 Lab File: VN057796.D
 Acq: 9 Sep 2019 12:52

Instrument :
 MSVOA_N
 ClientSampled :
 VN0909WBSD01

Tgt Ion	Ratio	Lower	Upper
83	100		
131	9.7	4.9	14.6
85	64.1	32.1	96.3

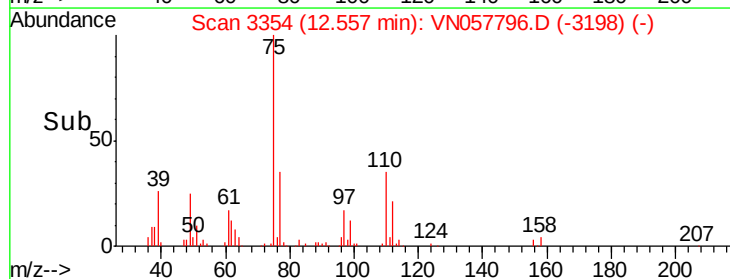
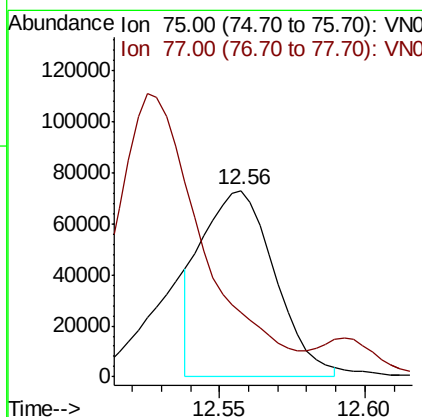
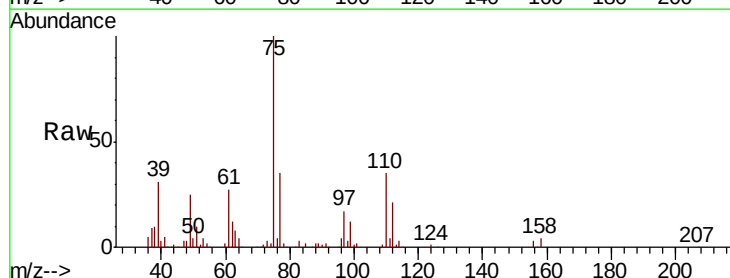
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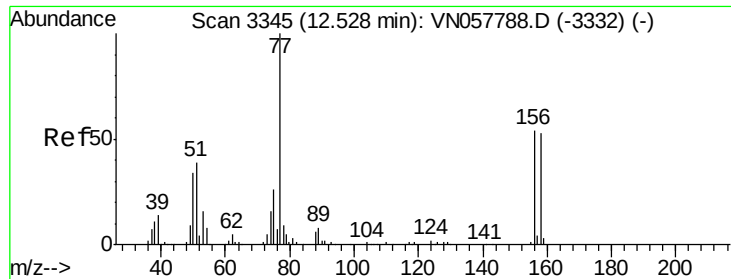
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#72
 1,2,3-Trichloropropane
 Concen: 20.469 ug/l m
 RT: 12.56 min Scan# 3354
 Delta R.T. 0.00 min
 Lab File: VN057796.D
 Acq: 9 Sep 2019 12:52

Tgt Ion	Ratio	Lower	Upper
75	100		
77	181.3	0.0	351.6





#73

Bromobenzene

Concen: 19.290 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN057796.D

Acq: 9 Sep 2019 12:52

Instrument :

MSVOA_N

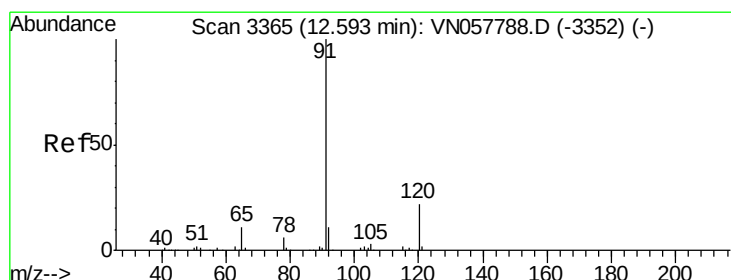
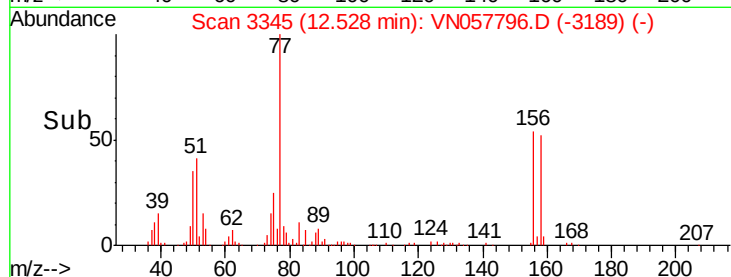
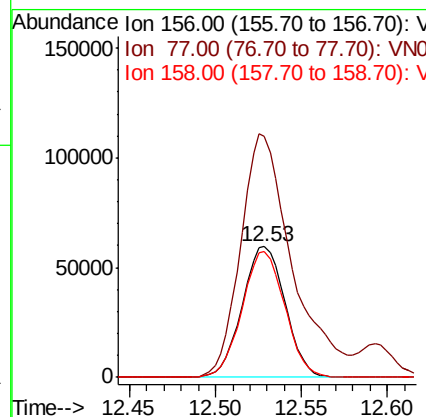
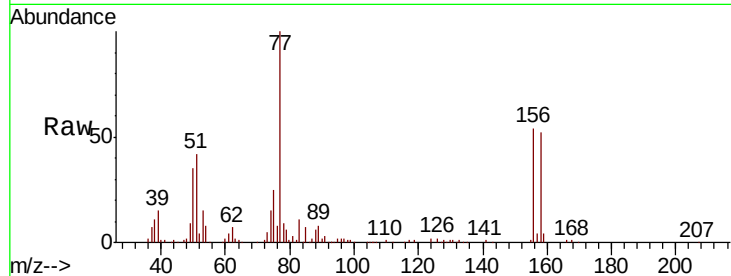
ClientSampleId :

VN0909WBSD01

Tgt Ion:	156	Resp:	103089
Ion Ratio	Lower	Upper	
156	100		
77	222.9	0.0	446.6
158	95.9	0.0	197.2

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#74

n-propylbenzene

Concen: 21.243 ug/l

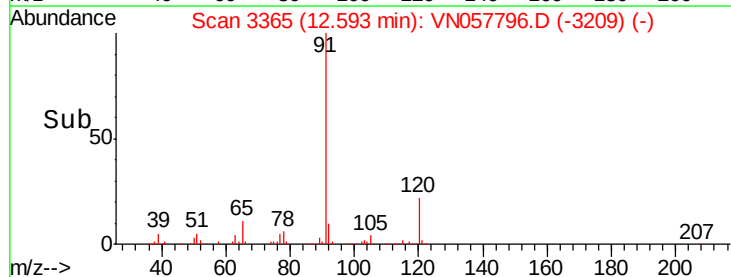
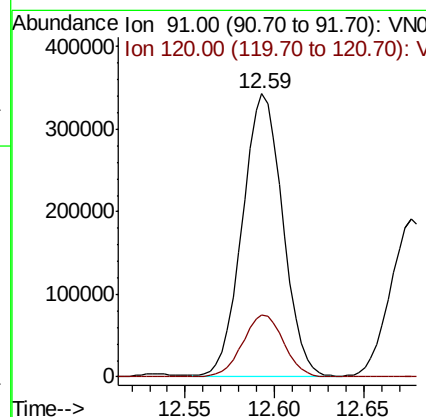
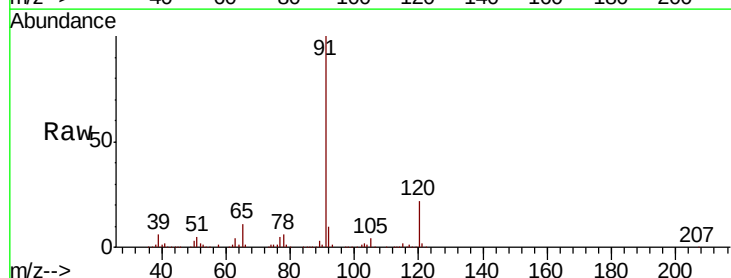
RT: 12.59 min Scan# 3365

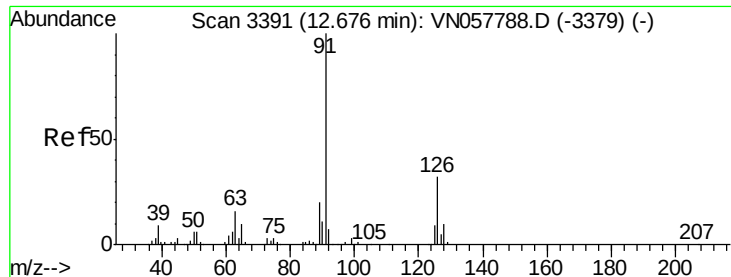
Delta R.T. 0.00 min

Lab File: VN057796.D

Acq: 9 Sep 2019 12:52

Tgt Ion:	91	Resp:	541769
Ion Ratio	Lower	Upper	
91	100		
120	22.2	0.0	43.4





#75

2-Chlorotoluene

Concen: 19.955 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN057796.D

Acq: 9 Sep 2019 12:52

Instrument :

MSVOA_N

ClientSampled :

VN0909WBSD01

Tgt Ion: 91 Resp: 316984

Ion Ratio Lower Upper

91 100

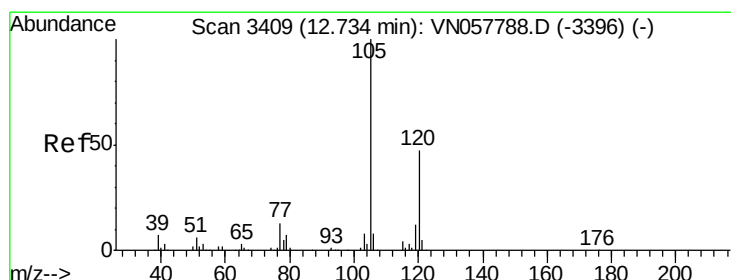
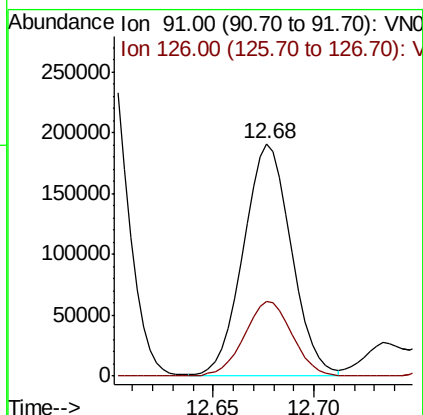
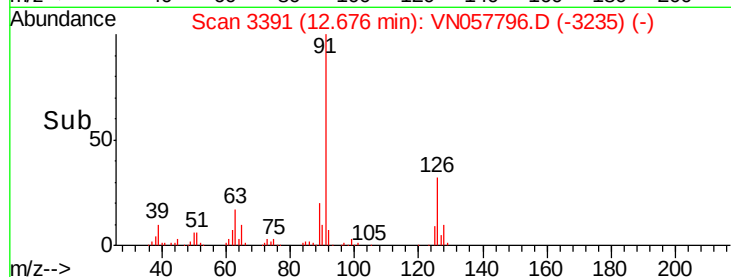
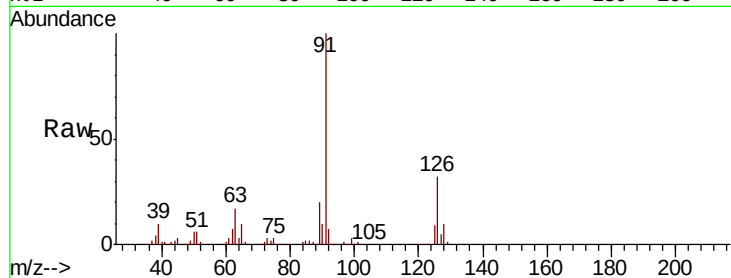
126 32.2 0.0 64.8

Manual Integrations

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9/13/2019 11:05:04 AM



#76

1,3,5-Trimethylbenzene

Concen: 20.289 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057796.D

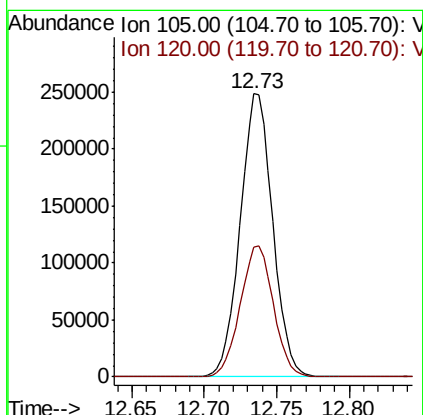
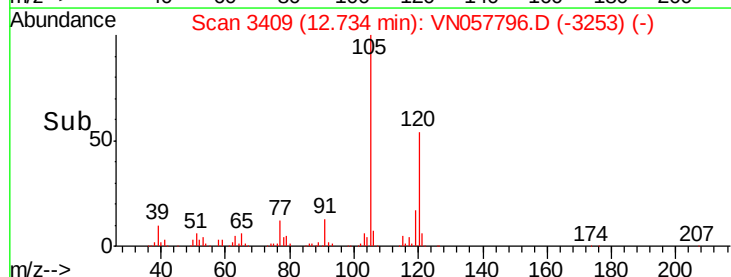
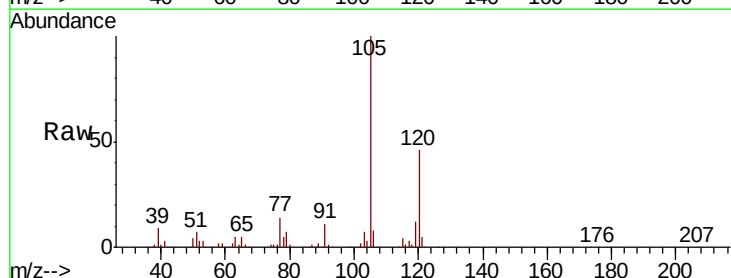
Acq: 9 Sep 2019 12:52

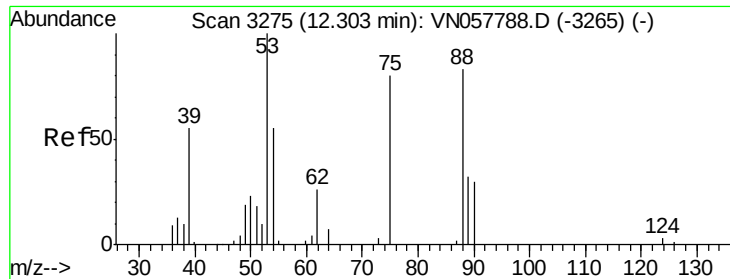
Tgt Ion: 105 Resp: 385659

Ion Ratio Lower Upper

105 100

120 47.5 0.0 94.4





#77

t-1,4-Dichloro-2-butene

Concen: 17.235 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN057796.D

Acq: 9 Sep 2019 12:52

Instrument :

MSVOA_N

ClientSampleId :

VN0909WBSD01

Tgt Ion: 75 Resp: 31661

Ion Ratio Lower Upper

75 100

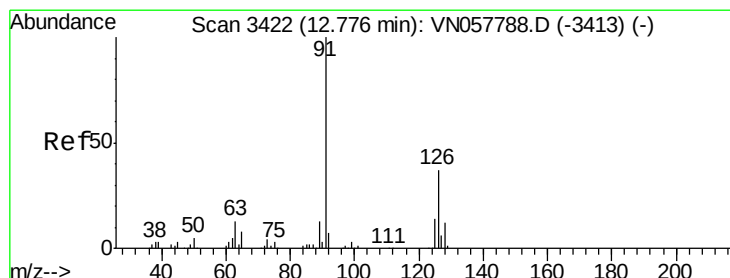
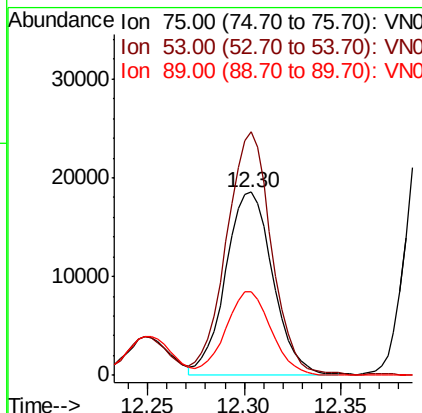
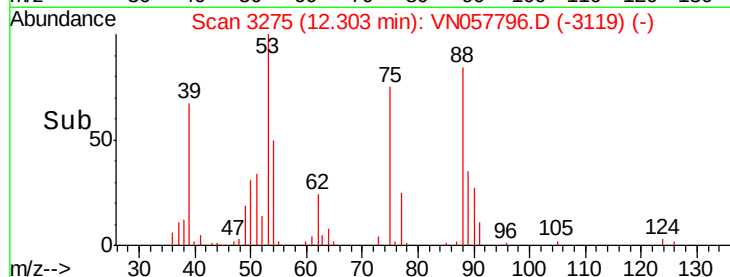
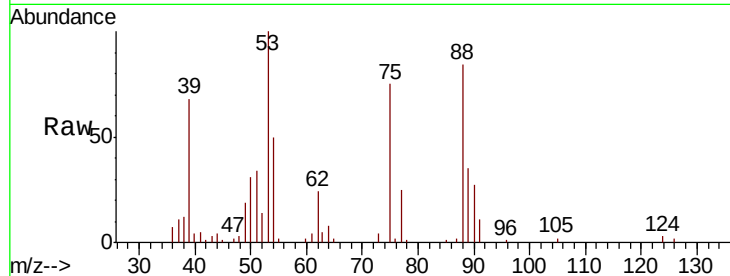
53 132.4 62.7 188.2

89 46.2 22.8 68.3

Manual Integrations
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#78

4-Chlorotoluene

Concen: 19.933 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN057796.D

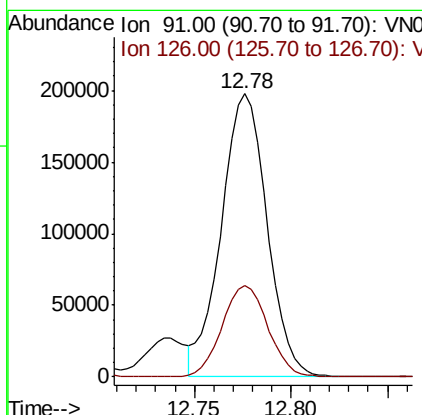
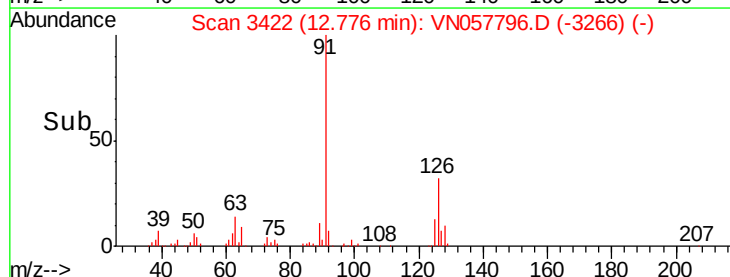
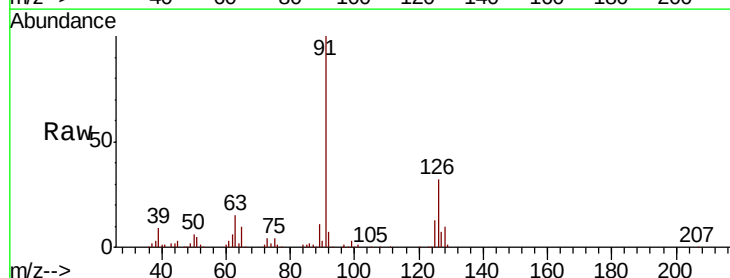
Acq: 9 Sep 2019 12:52

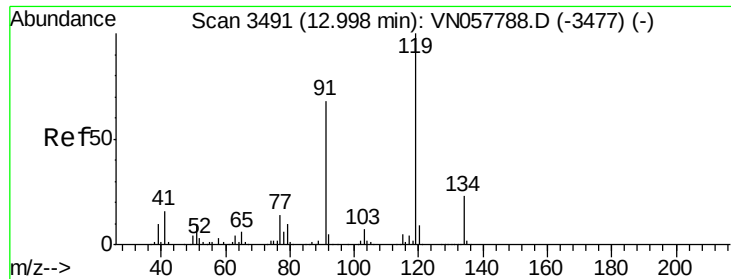
Tgt Ion: 91 Resp: 322978

Ion Ratio Lower Upper

91 100

126 32.3 0.0 65.2





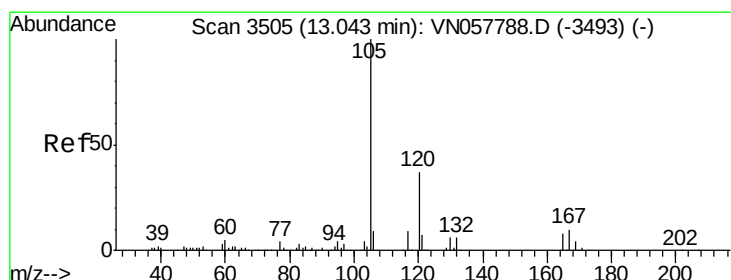
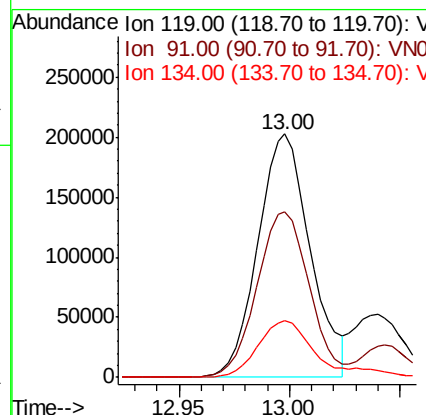
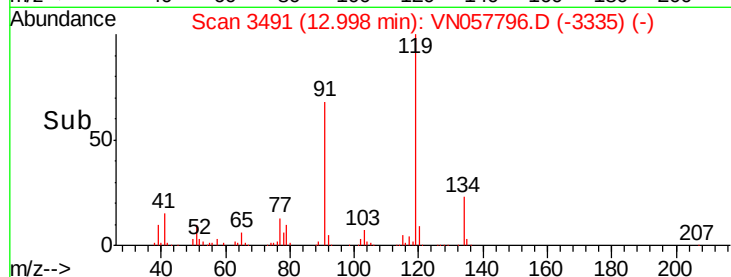
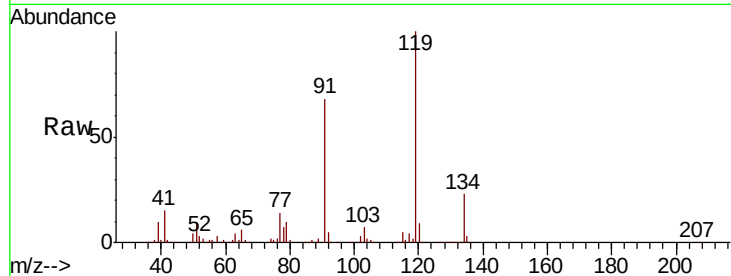
#79
tert-butylbenzene
Concen: 20.159 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. 0.00 min
Lab File: VN057796.D
Acq: 9 Sep 2019 12:52

Instrument :
MSVOA_N
ClientSampled :
VN0909WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	334293		
91	67.9	0.0	133.8	
134	23.9	0.0	46.4	

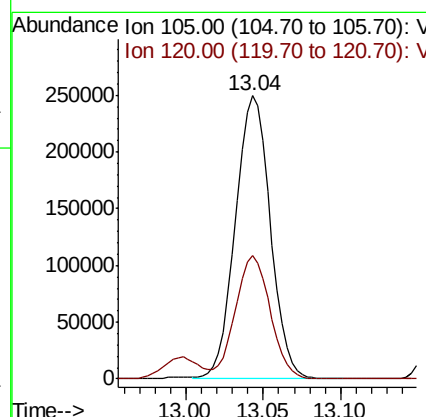
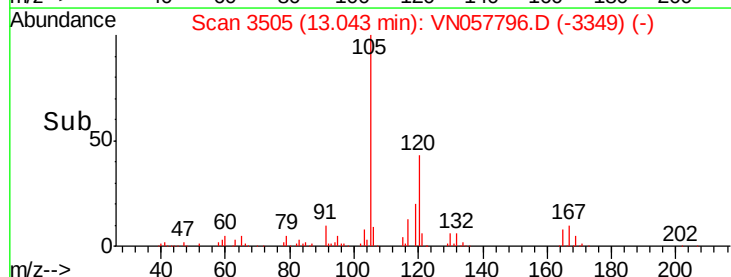
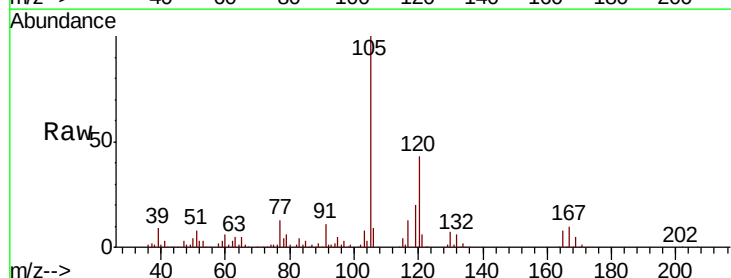
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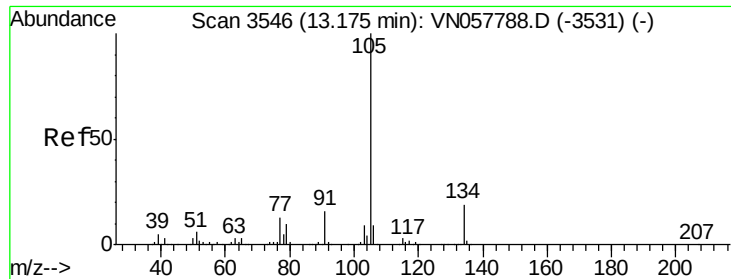
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#80
1,2,4-Trimethylbenzene
Concen: 20.652 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. 0.00 min
Lab File: VN057796.D
Acq: 9 Sep 2019 12:52

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	391139		
120	43.8	0.0	87.8	





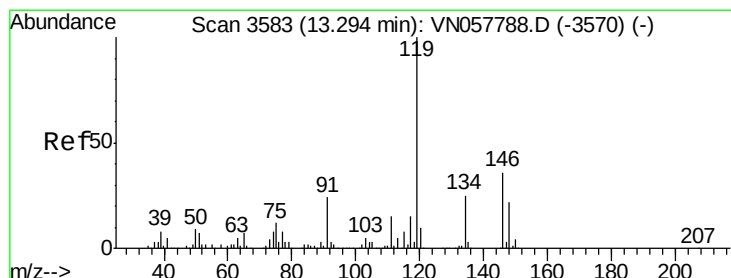
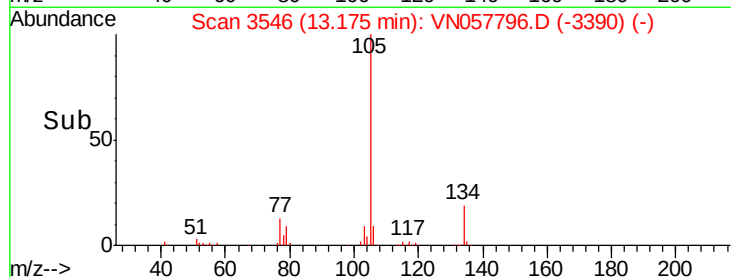
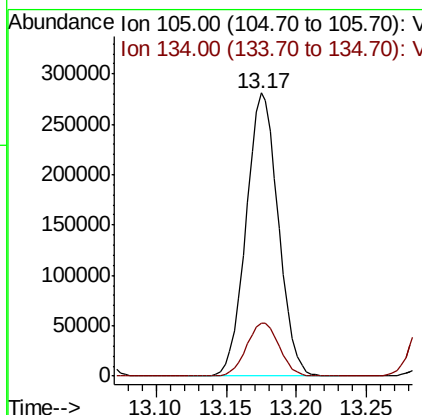
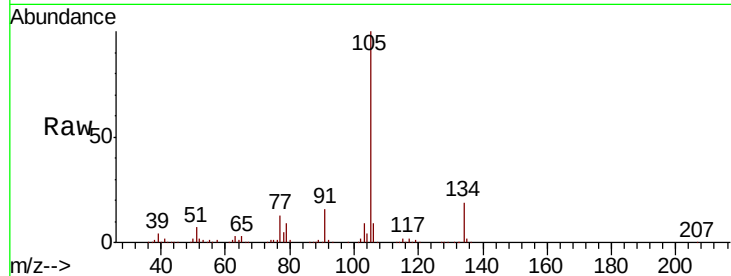
#81
 sec-Butylbenzene
 Concen: 20.403 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN057796.D
 Acq: 9 Sep 2019 12:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0909WBSD01

Tgt Ion	Ratio	Lower	Upper
105	100		
134	19.1	0.0	37.6

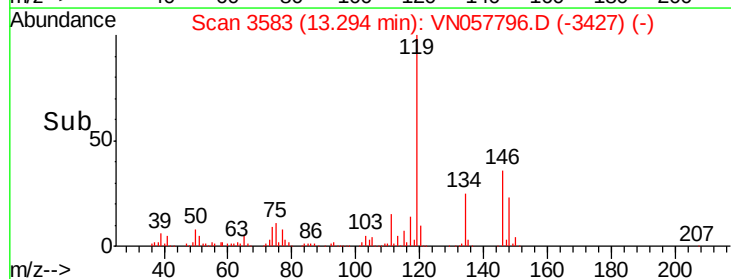
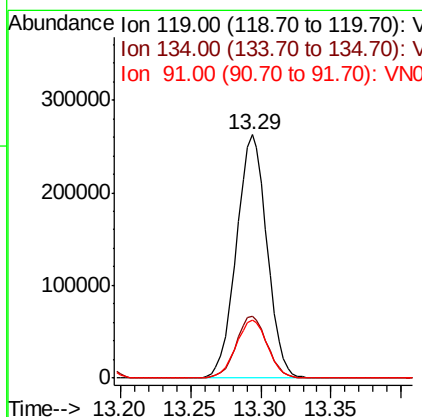
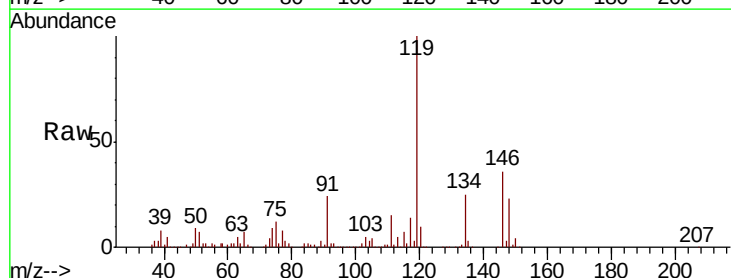
Manual Integrations
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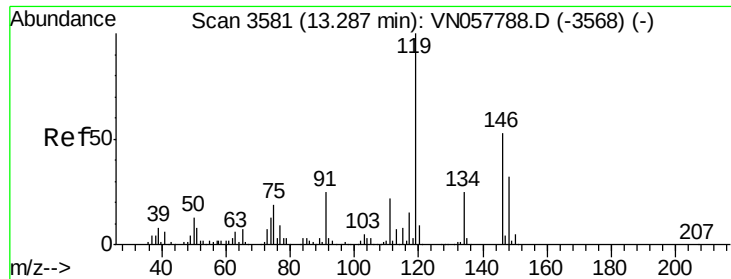
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#82
 p-Isopropyltoluene
 Concen: 20.245 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. 0.00 min
 Lab File: VN057796.D
 Acq: 9 Sep 2019 12:52

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.6	0.0	50.4
91	24.7	0.0	48.8





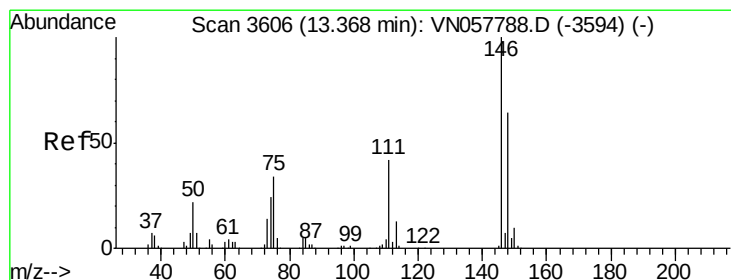
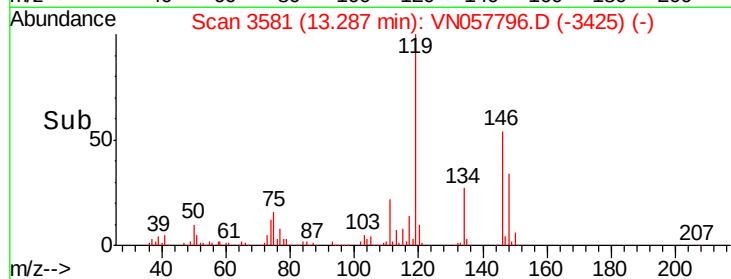
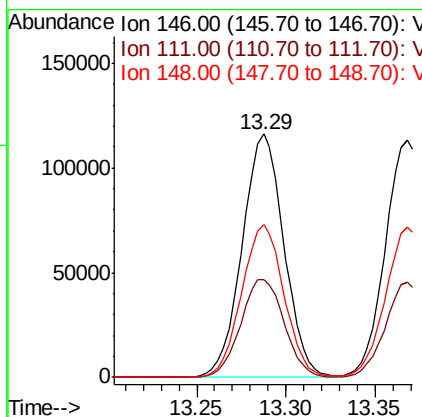
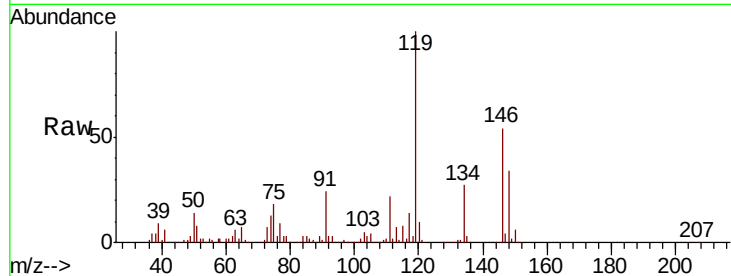
#83
 1,3-Dichlorobenzene
 Concen: 19.128 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN057796.D
 Acq: 9 Sep 2019 12:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0909WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	190005		
111	41.8	20.7	62.1	
148	63.4	30.9	92.5	

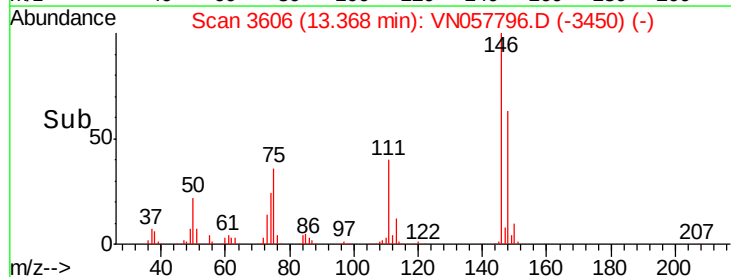
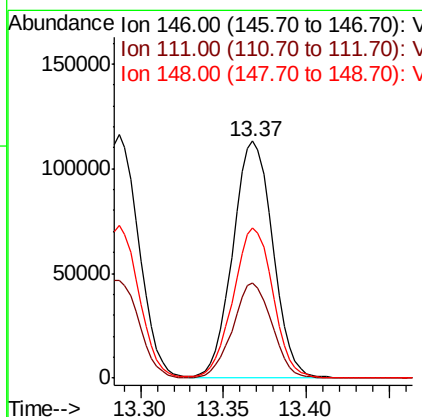
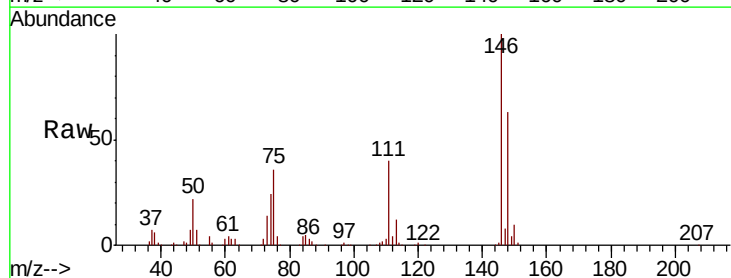
Manual Integrations
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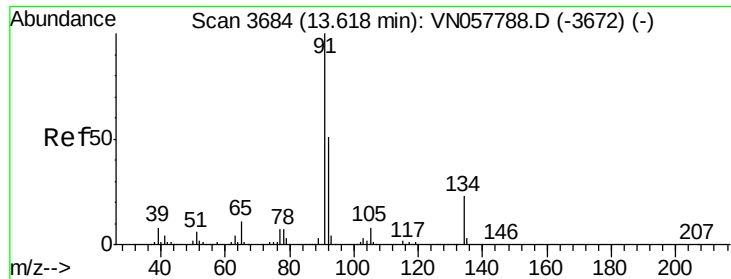
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#84
 1,4-Dichlorobenzene
 Concen: 19.327 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN057796.D
 Acq: 9 Sep 2019 12:52

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	189012		
111	39.8	21.1	63.4	
148	62.8	31.7	95.1	





#85

n-Butylbenzene

Concen: 19.731 ug/l

RT: 13.62 min Scan# 3684

Delta R.T. 0.00 min

Lab File: VN057796.D

Acq: 9 Sep 2019 12:52

Instrument :

MSVOA_N

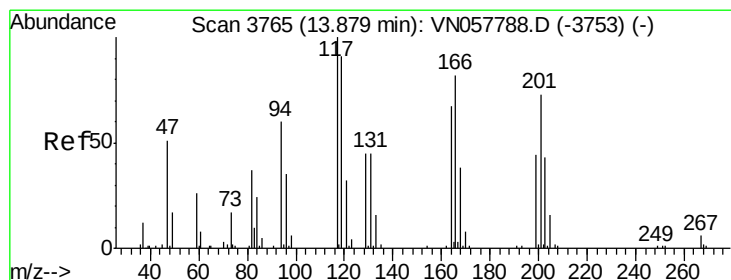
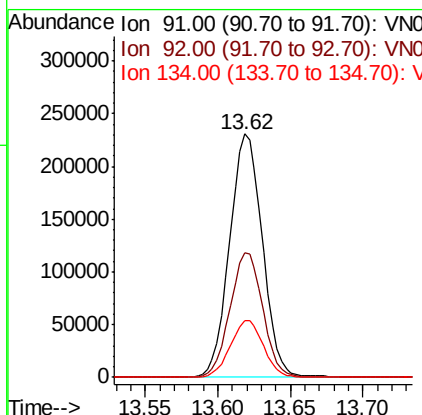
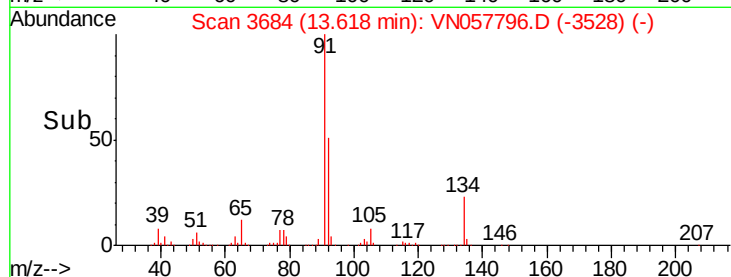
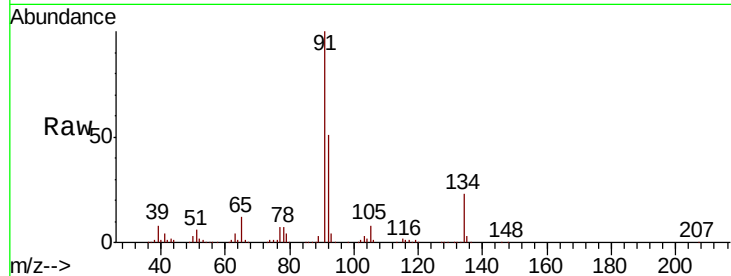
ClientSampleId :

VN0909WBSD01

Tgt Ion:	91	Resp:	362327
Ion Ratio	Lower	Upper	
91	100		
92	51.0	0.0	100.0
134	23.6	0.0	46.6

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#86

Hexachloroethane

Concen: 17.089 ug/l

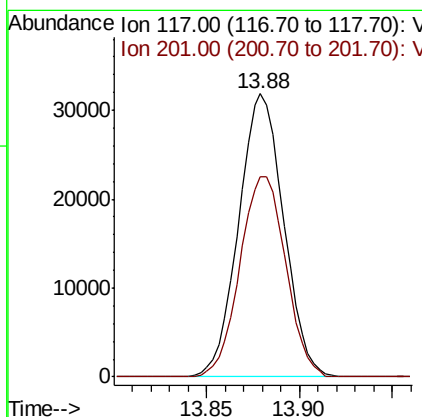
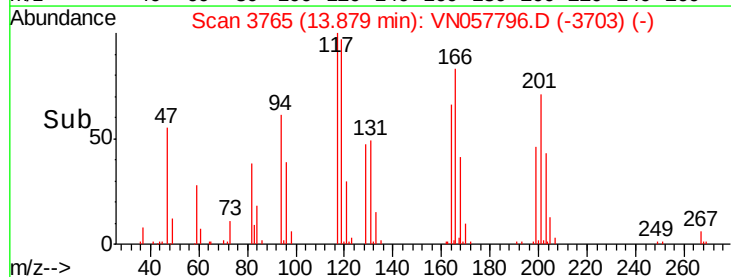
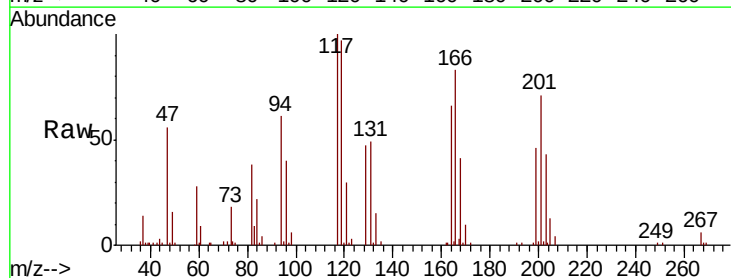
RT: 13.88 min Scan# 3765

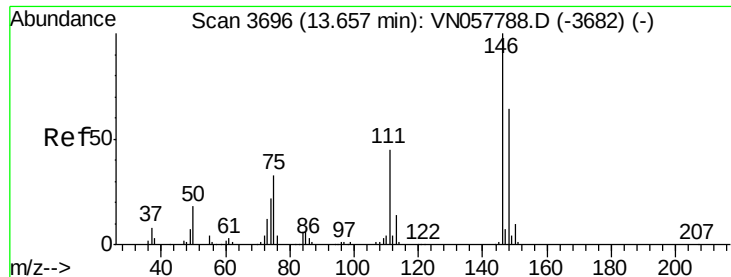
Delta R.T. 0.00 min

Lab File: VN057796.D

Acq: 9 Sep 2019 12:52

Tgt Ion:	117	Resp:	53634
Ion Ratio	Lower	Upper	
117	100		
201	72.1	36.7	110.1





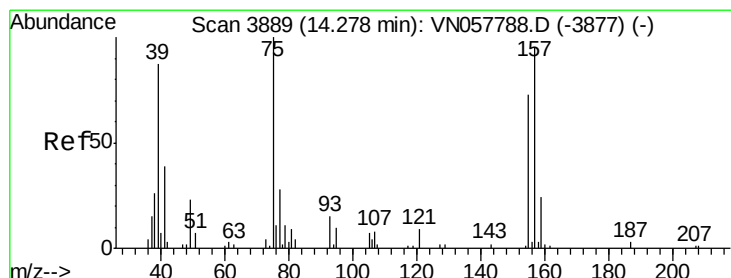
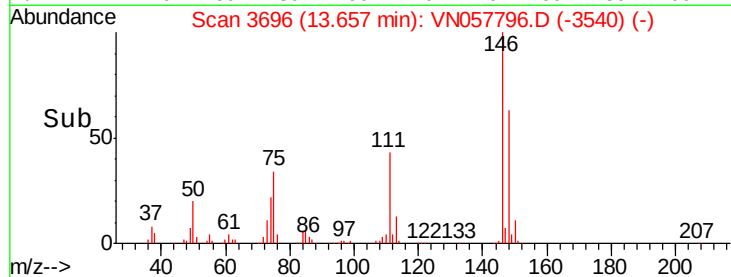
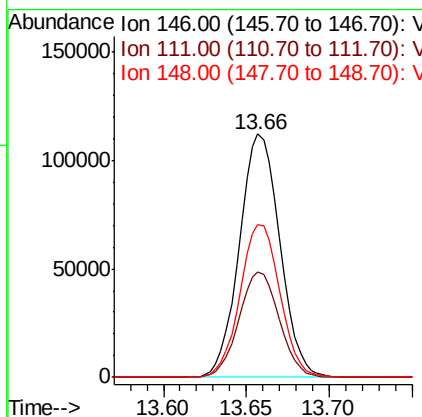
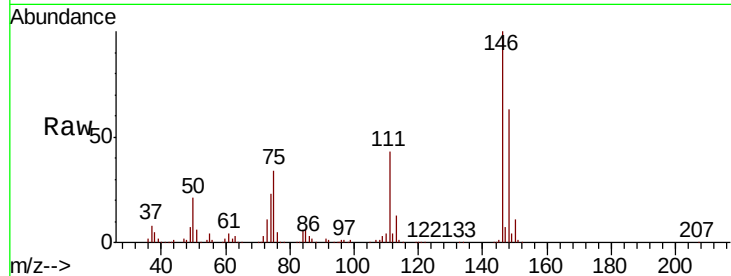
#87
 1,2-Dichlorobenzene
 Concen: 19.818 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN057796.D
 Acq: 9 Sep 2019 12:52

Instrument :
 MSVOA_N
 ClientSampled :
 VN0909WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	191093		
111	43.0	22.2	66.6	
148	62.2	32.1	96.3	

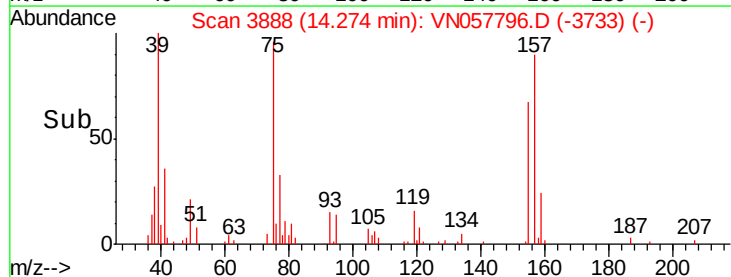
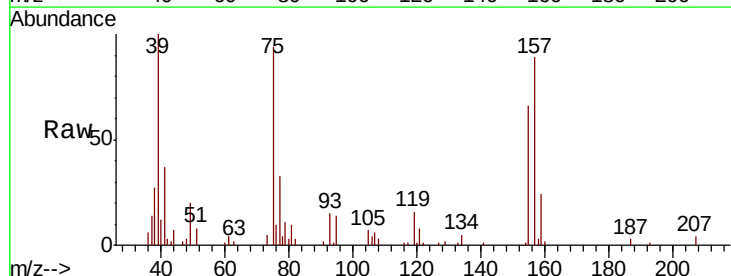
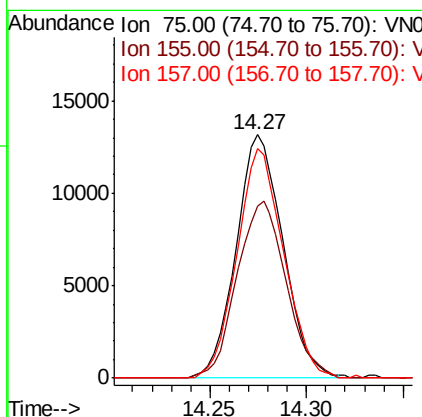
Manual Integrations
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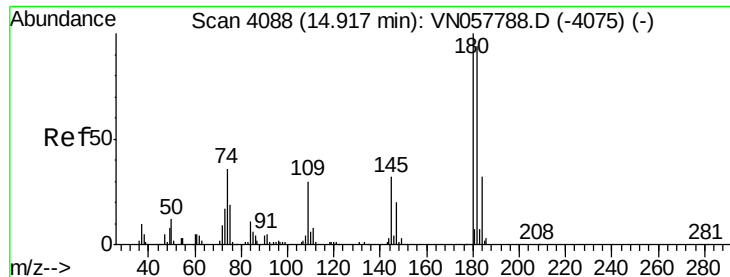
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 18.068 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN057796.D
 Acq: 9 Sep 2019 12:52

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	22193		
155	76.2	59.4	89.2	
157	93.7	74.6	112.0	





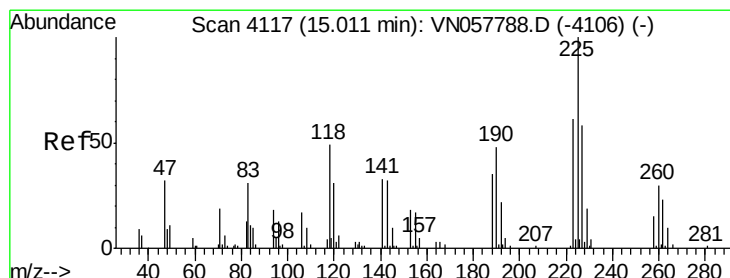
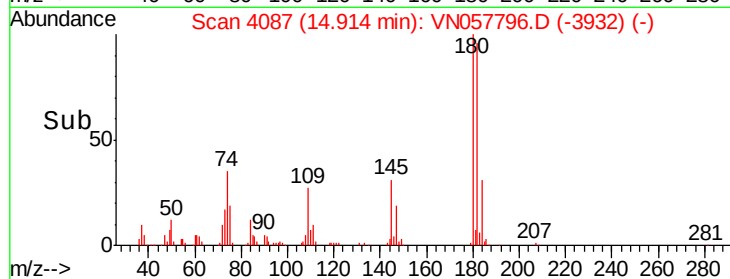
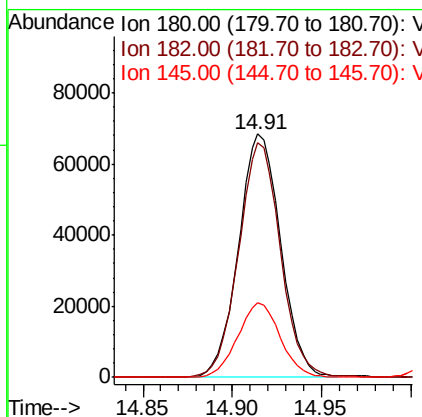
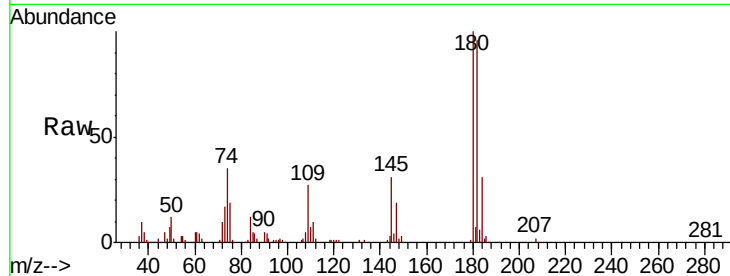
#89
 1,2,4-Trichlorobenzene
 Concen: 19.122 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN057796.D
 Acq: 9 Sep 2019 12:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0909WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	112631		
182	95.5	77.0	115.4	
145	30.9	26.1	39.1	

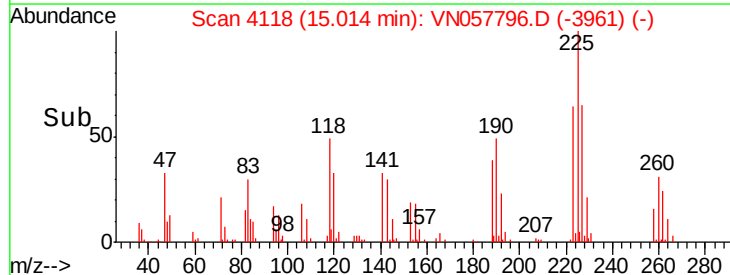
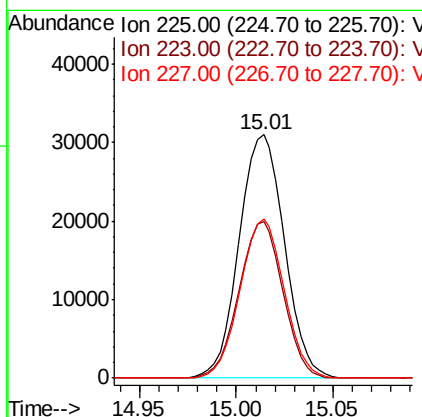
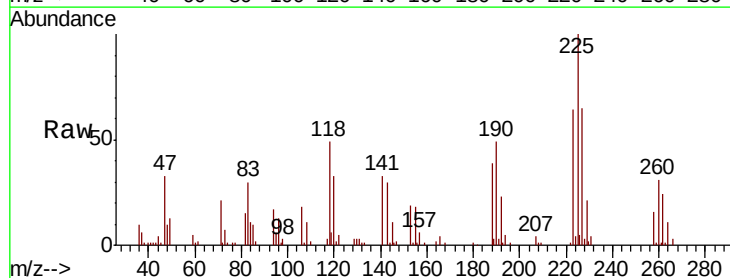
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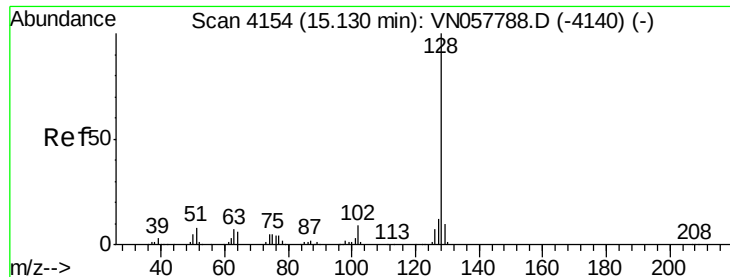
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#90
 Hexachlorobutadiene
 Concen: 18.693 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN057796.D
 Acq: 9 Sep 2019 12:52

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	50568		
223	62.1	0.0	125.0	
227	63.5	0.0	123.8	





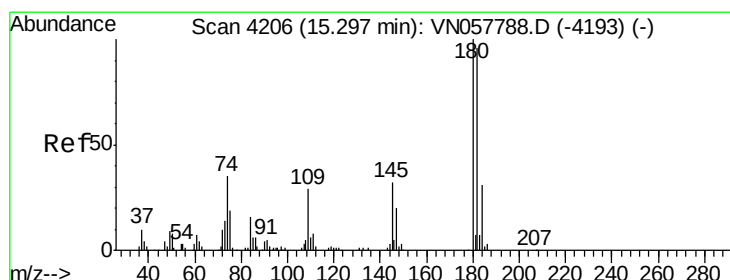
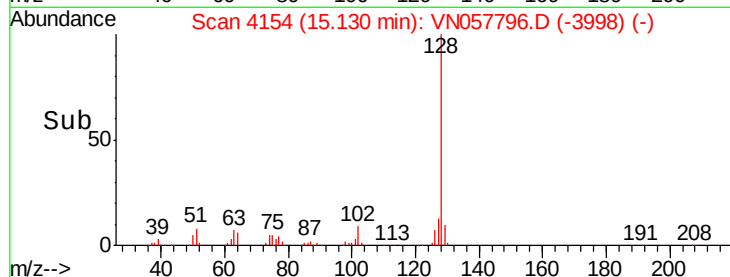
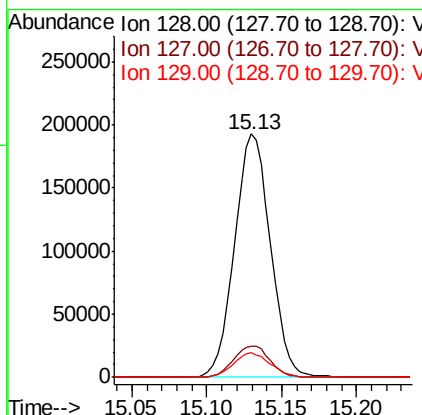
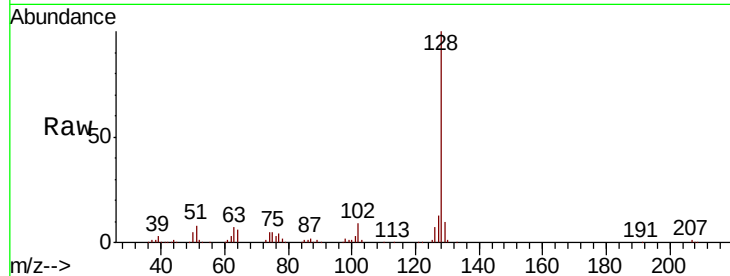
#91
Naphthalene
Concen: 19.805 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN057796.D
Acq: 9 Sep 2019 12:52

Instrument :
MSVOA_N
ClientSampleId :
VN0909WBSD01

Tgt Ion	Ratio	Resp Lower	Resp Upper
128	100		
127	13.2	9.9	14.9
129	10.3	8.1	12.1

Manual Integrations
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#92
1,2,3-Trichlorobenzene
Concen: 19.280 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. 0.00 min
Lab File: VN057796.D
Acq: 9 Sep 2019 12:52

Tgt Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	95.9	0.0	189.8
145	32.6	0.0	65.0

