

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091419\
 Data File : VN058009.D
 Acq On : 13 Sep 2019 11:40
 Operator : JC/SP
 Sample : VN0914WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0914WBS01

Manual Integrations
 APPROVED

MMDadoda
 9/16/2019 2:46:45 PM

Quant Time: Sep 14 01:59:14 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	73458	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	437721	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	386609	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	199332	30.68	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.27%
60) 4-Bromofluorobenzene	12.40	95	195825	29.60	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.67%
63) Toluene-d8	10.09	98	555395	29.93	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.77%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	90313	20.349 ug/l	95
3) Chloromethane	2.04	50	103631	18.726 ug/l	100
4) Vinyl Chloride	2.17	62	101381	17.905 ug/l	97
5) Bromomethane	2.55	94	57467	16.263 ug/l	92
6) Chloroethane	2.69	64	64041	18.199 ug/l	90
7) Trichlorofluoromethane	3.00	101	120434	18.411 ug/l	99
8) Diethyl Ether	3.39	74	53955	20.446 ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	82609	20.224 ug/l	98
10) 1,1-Dichloroethene	3.72	96	75314	19.390 ug/l	97
11) Methyl Iodide	3.93	142	87186	16.777 ug/l	98
12) Methyl Acetate	4.30	43	112228	21.054 ug/l	95
13) Acrolein	3.59	56	4114m	14.225 ug/l	
14) Acrylonitrile	4.96	53	229789	105.747 ug/l #	92
15) Acetone	3.79	58	61498	99.686 ug/l	98
16) Carbon Disulfide	4.03	76	151385	16.737 ug/l	100
17) Allyl chloride	4.30	41	140852	19.790 ug/l	91
18) Methylene Chloride	4.53	84	98653	20.155 ug/l	96
19) trans-1,2-Dichloroethene	5.01	96	85496	19.749 ug/l	97
20) Diisopropyl ether	5.93	45	329909	19.827 ug/l	99
21) 1,1-Dichloroethane	5.83	63	187838	20.473 ug/l	100
22) cis-1,2-Dichloroethene	6.81	96	107687	20.302 ug/l	99
23) tert-Butyl Alcohol	4.76	59	73968	104.268 ug/l #	100
24) Methyl tert-Butyl Ether	5.02	73	298089	20.022 ug/l #	100
25) Chloroform	7.36	83	189954	20.336 ug/l	99
26) Cyclohexane	7.64	56	150819	19.564 ug/l #	98
29) 1,1-Dichloropropene	7.78	75	133482	19.385 ug/l	99
30) 2-Butanone	6.81	43	322475	103.862 ug/l	99
31) 2,2-Dichloropropane	6.81	77	140974	19.391 ug/l	99
32) 1,1,1-Trichloroethane	7.56	97	153172	19.784 ug/l	99
33) Carbon Tetrachloride	7.76	117	119885	18.982 ug/l	95
34) Benzene	8.03	78	409418	20.066 ug/l	99
35) Methacrylonitrile	7.17	41	65801m	22.849 ug/l	
36) 1,2-Dichloroethane	8.11	62	161078	20.344 ug/l	99
37) Trichloroethene	8.83	130	98034	19.783 ug/l	96
38) Methylcyclohexane	9.07	83	150101	19.143 ug/l	98
39) 1,2-Dichloropropane	9.11	63	116749	20.375 ug/l	97
40) Dibromomethane	9.20	93	72646	20.845 ug/l	98

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 ALS Vial : 8 Sample Multiplier: 1

Instrument :
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Manual Integrations
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Quant Time: Sep 14 01:59:14 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
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	135621	19.302	ug/l	99
42) Vinyl Acetate	5.87	43	1304399	104.530	ug/l	100
43) Ethyl Acetate	6.91	43	135746	21.429	ug/l #	85
44) Isopropyl Acetate	8.15	43	235825	21.352	ug/l #	93
45) 1,4-Dioxane	9.19	88	35254	406.204	ug/l	97
46) Methyl methacrylate	9.19	41	110848	20.546	ug/l	97
47) n-amyl Acetate	12.07	43	186110	18.343	ug/l	97
48) t-1,3-Dichloropropene	10.38	75	135985	18.180	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	155550	18.534	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	101939	20.165	ug/l	99
51) Ethyl methacrylate	10.43	69	147428	18.809	ug/l	97
52) 1,3-Dichloropropane	10.71	76	179266	20.278	ug/l	99
53) Dibromochloromethane	10.90	129	87603	17.547	ug/l	100
54) 1,2-Dibromoethane	11.00	107	97179	19.321	ug/l	100
55) 2-Chloroethyl vinyl ether	9.69	63	335650	90.119	ug/l	99
56) Bromoform	12.13	173	50813	16.430	ug/l	98
58) 4-Methyl-2-Pentanone	9.98	43	672457	112.161	ug/l	100
59) 2-Hexanone	10.75	43	474115	105.379	ug/l	100
61) Tetrachloroethene	10.63	164	80380	20.449	ug/l	98
62) Toluene	10.15	91	440154	20.561	ug/l	98
64) Chlorobenzene	11.43	112	264906	19.948	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	89186	19.343	ug/l	99
66) Ethyl Benzene	11.51	91	482262	20.642	ug/l	100
67) m/p-Xylenes	11.62	106	352053	39.480	ug/l	98
68) o-Xylene	11.95	106	174622	19.989	ug/l	96
69) Styrene	11.97	104	287356	19.293	ug/l	99
70) Isopropylbenzene	12.25	105	469650	20.335	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	149468	20.708	ug/l	99
72) 1,2,3-Trichloropropane	12.56	75	123827m	19.328	ug/l	
73) Bromobenzene	12.53	156	108162	19.562	ug/l	98
74) n-propylbenzene	12.60	91	554449	21.012	ug/l	99
75) 2-Chlorotoluene	12.68	91	322513	19.623	ug/l	100
76) 1,3,5-Trimethylbenzene	12.74	105	397037	20.188	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	28520	15.006	ug/l	98
78) 4-Chlorotoluene	12.78	91	329425	19.650	ug/l	98
79) tert-butylbenzene	13.00	119	339406	19.782	ug/l	99
80) 1,2,4-Trimethylbenzene	13.05	105	396809	20.250	ug/l	100
81) sec-Butylbenzene	13.18	105	461499	20.273	ug/l	100
82) p-Isopropyltoluene	13.29	119	398968	19.570	ug/l	99
83) 1,3-Dichlorobenzene	13.29	146	195973	19.068	ug/l	98
84) 1,4-Dichlorobenzene	13.37	146	193224	19.096	ug/l	98
85) n-Butylbenzene	13.62	91	359187	18.905	ug/l	98
86) Hexachloroethane	13.88	117	54293	16.720	ug/l	99
87) 1,2-Dichlorobenzene	13.66	146	196646	19.711	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.28	75	23875	18.786	ug/l	97
89) 1,2,4-Trichlorobenzene	14.92	180	110631	18.153	ug/l	99
90) Hexachlorobutadiene	15.02	225	51748	18.489	ug/l	97
91) Naphthalene	15.13	128	311148	18.556	ug/l	98
92) 1,2,3-Trichlorobenzene	15.30	180	109484	18.838	ug/l	98

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Instrument :
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ClientSampleId :
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Manual Integrations
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QLast Update : Mon Sep 09 12:14:07 2019
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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

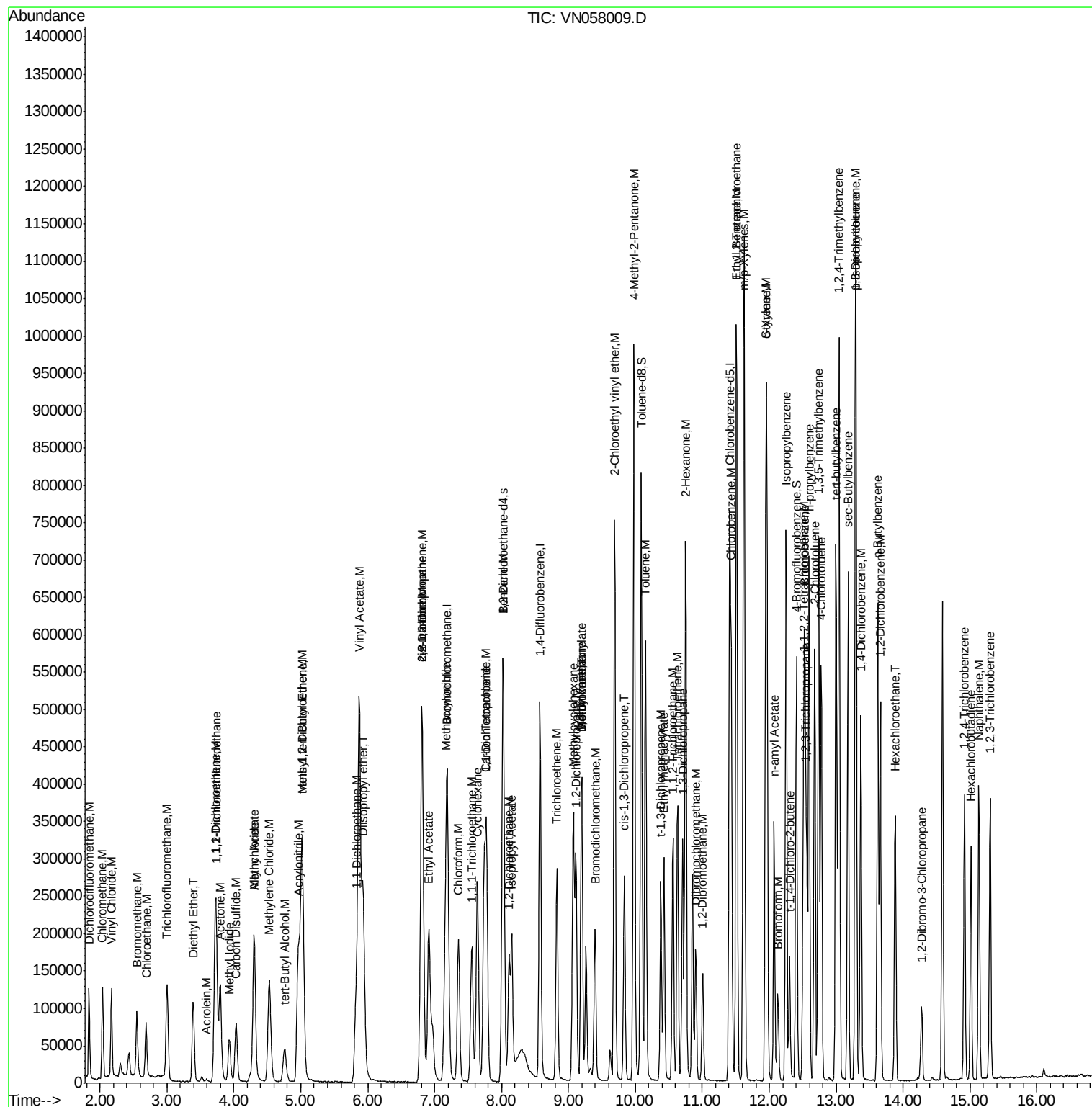
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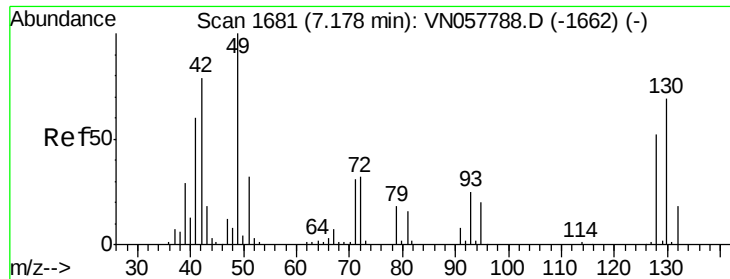
Instrument :
MSVOA_N
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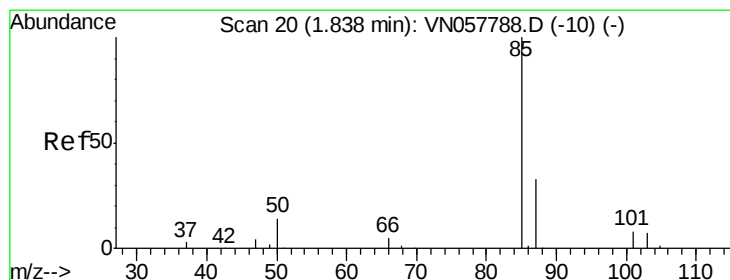
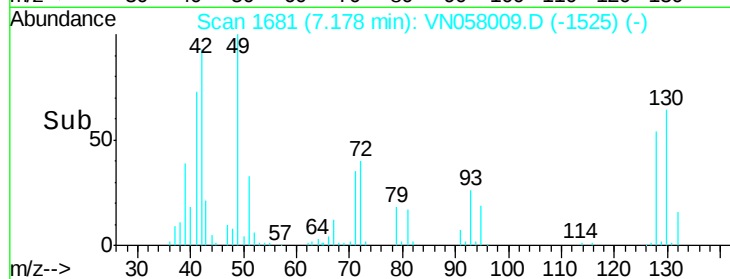
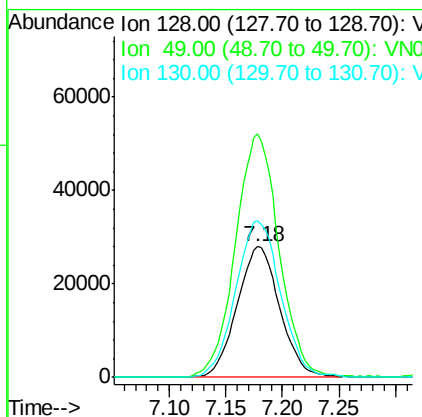
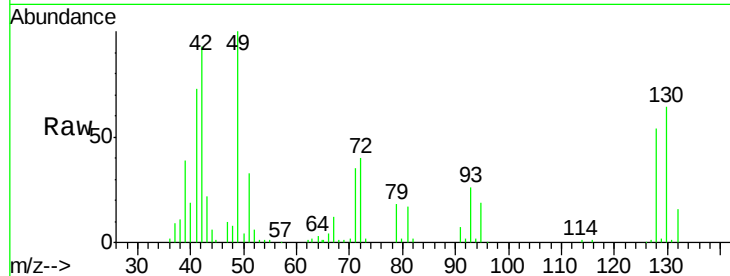
#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.18 min Scan# 1681
 Delta R.T. 0.00 min
 Lab File: VN058009.D
 Acq: 13 Sep 2019 11:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
49	189.9	0.0	486.5
130	126.0	0.0	324.5

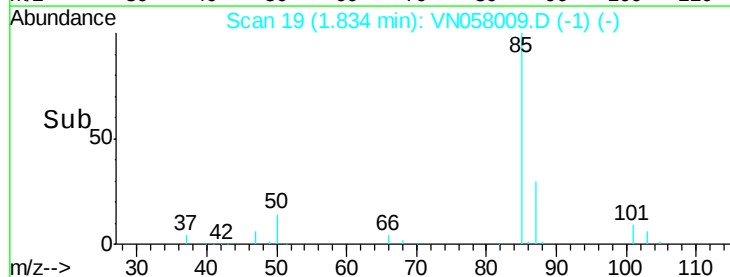
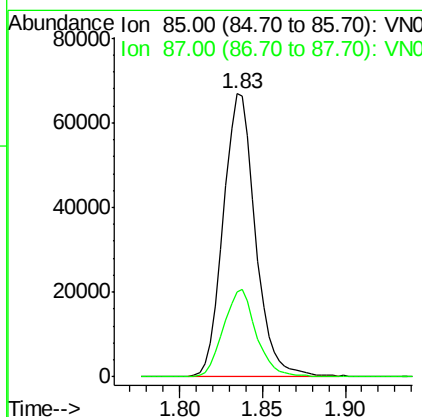
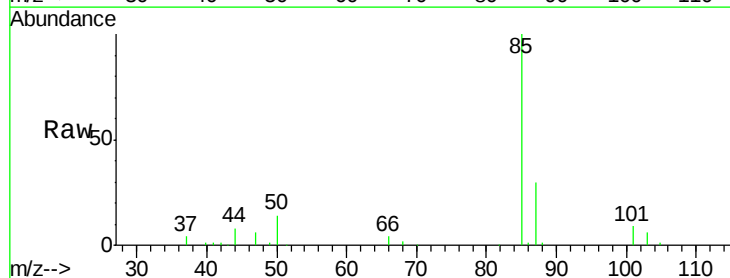
Manual Integrations
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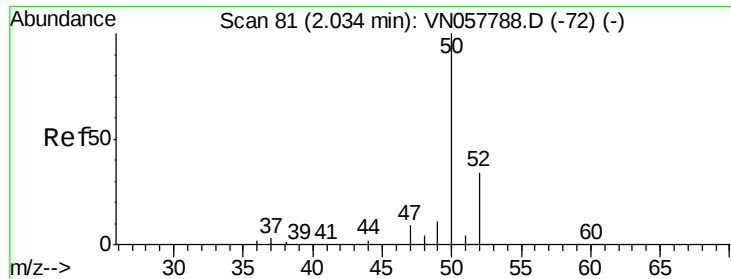
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#2
 Dichlorodifluoromethane
 Concen: 20.349 ug/l
 RT: 1.83 min Scan# 19
 Delta R.T. -0.00 min
 Lab File: VN058009.D
 Acq: 13 Sep 2019 11:40

Tgt Ion	Ratio	Lower	Upper
85	100		
87	30.2	16.4	49.4





#3

Chloromethane

Concen: 18.726 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN058009.D

Acq: 13 Sep 2019 11:40

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBS01

Tot Ion: 50 Resp: 103631

Ion Ratio Lower Upper

50 100

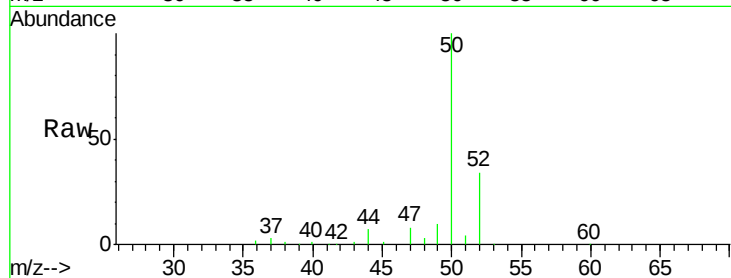
52 33.8 26.9 40.3

Manual Integrations

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Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

2.04

80000

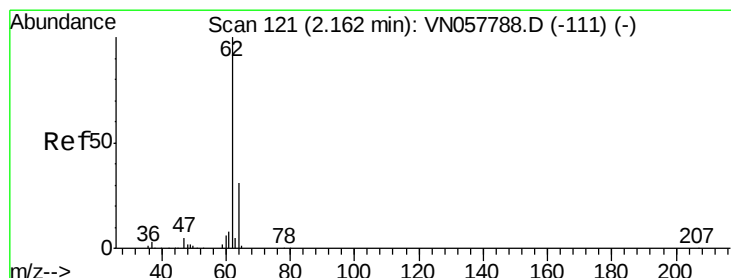
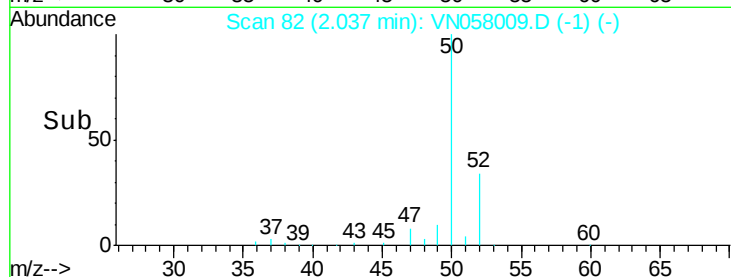
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 17.905 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.01 min

Lab File: VN058009.D

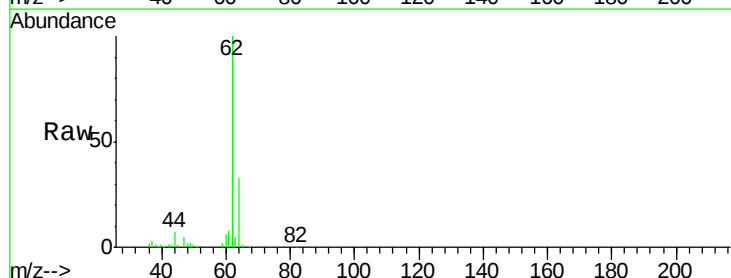
Acq: 13 Sep 2019 11:40

Tgt Ion: 62 Resp: 101381

Ion Ratio Lower Upper

62 100

64 32.9 25.0 37.6



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0

2.17

80000

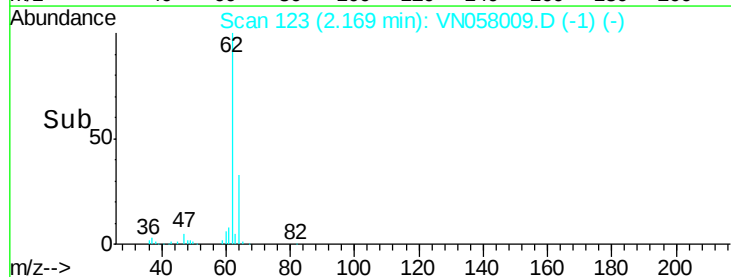
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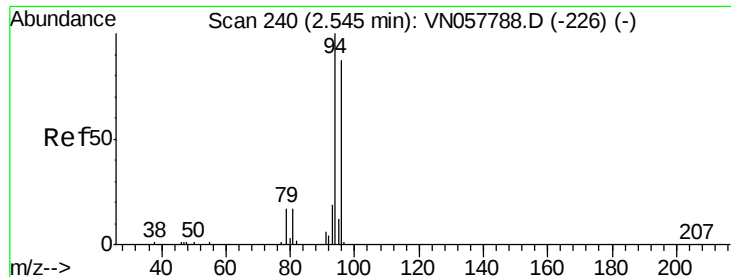
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20000

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Time-->





#5

Bromomethane

Concen: 16.263 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.00 min

Lab File: VN058009.D

Acq: 13 Sep 2019 11:40

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBS01

Tot Ion: 94 Resp: 57467

Ion Ratio Lower Upper

94 100

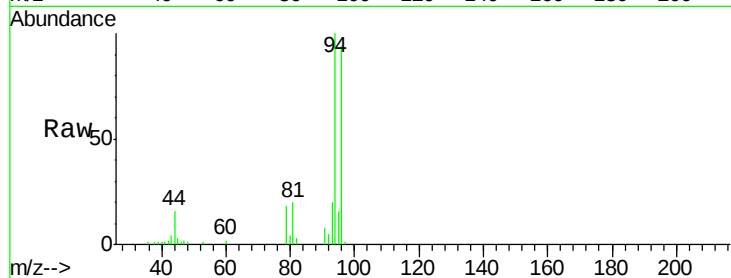
96 94.1 69.2 103.8

Manual Integrations

APPROVED

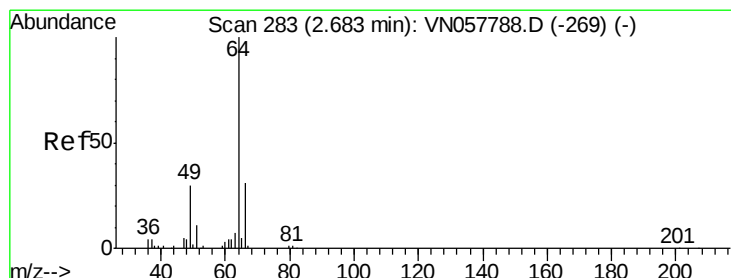
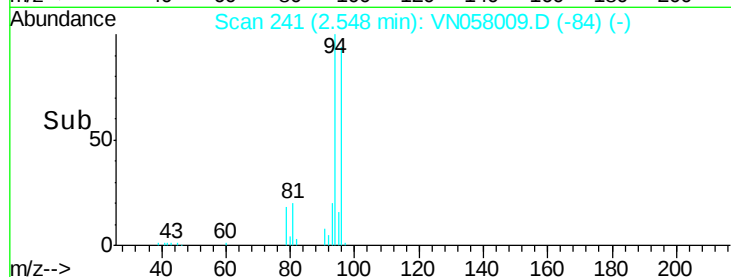
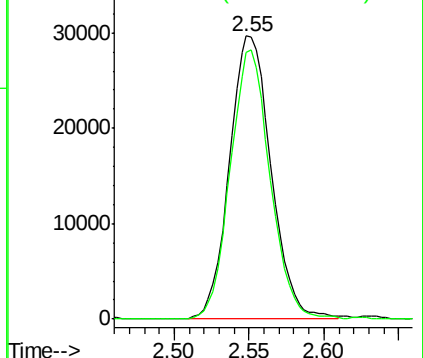
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 18.199 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN058009.D

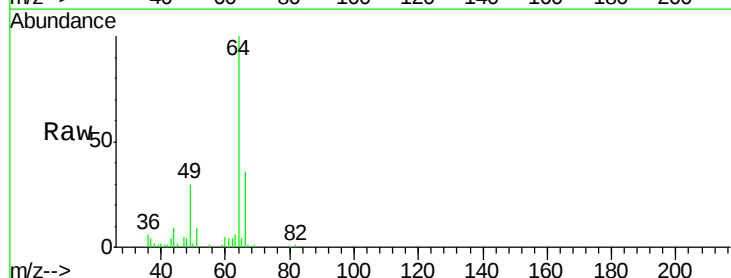
Acq: 13 Sep 2019 11:40

Tgt Ion: 64 Resp: 64041

Ion Ratio Lower Upper

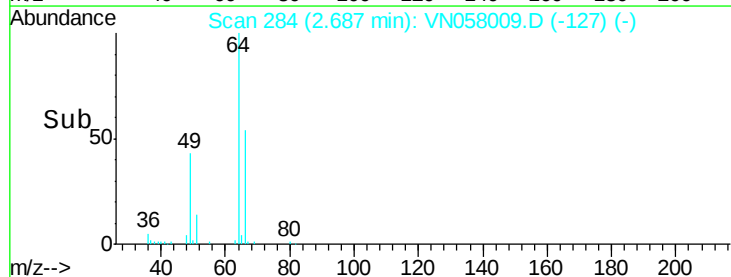
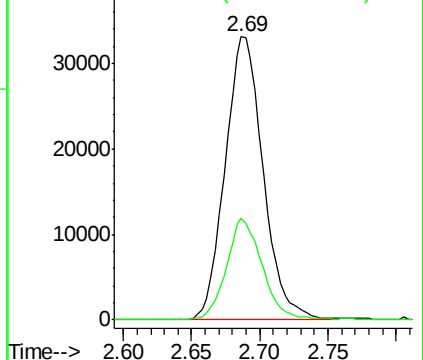
64 100

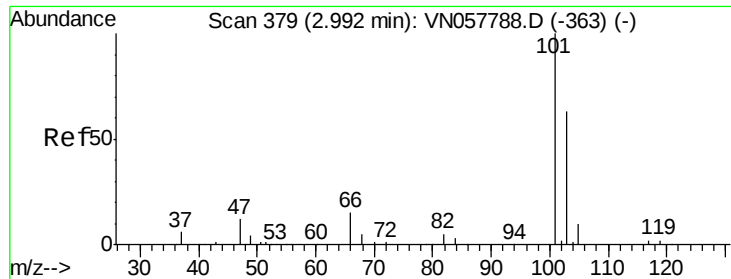
66 35.7 24.4 36.6



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

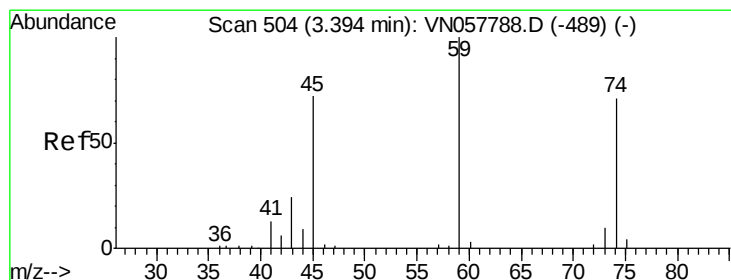
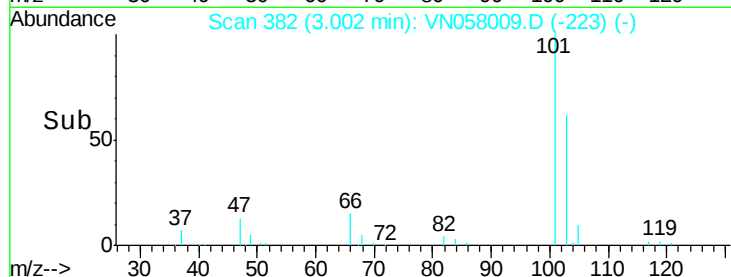
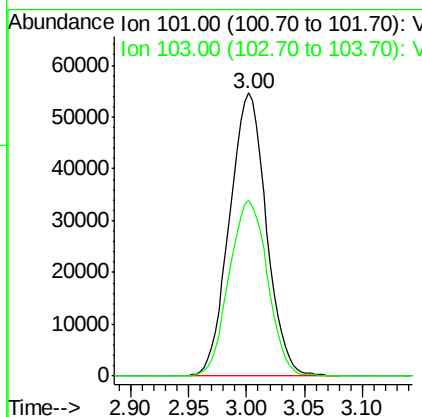
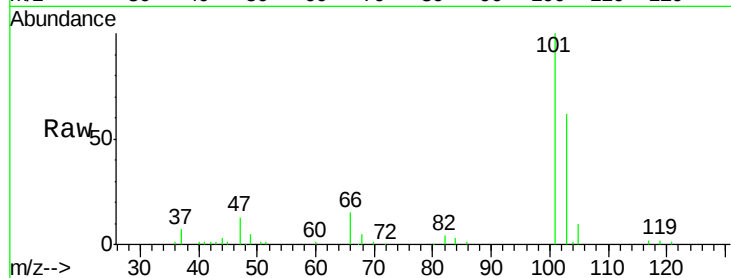
Trichlorofluoromethane
 Concen: 18.411 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.01 min
 Lab File: VN058009.D
 Acq: 13 Sep 2019 11:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.0	50.2	75.2

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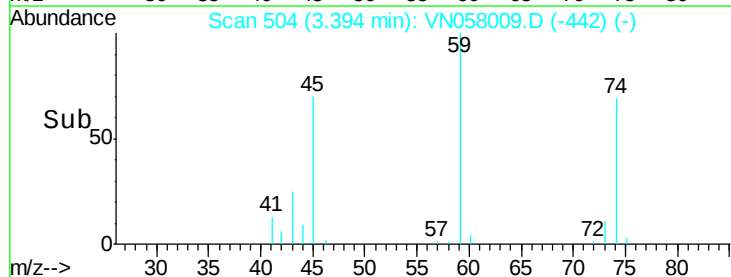
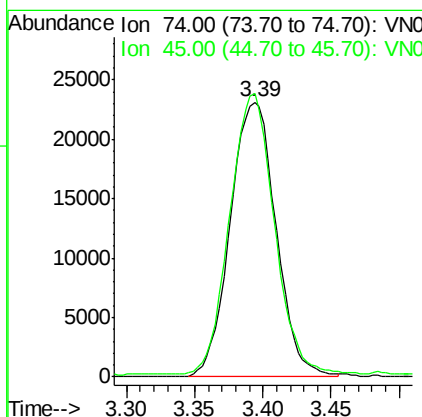
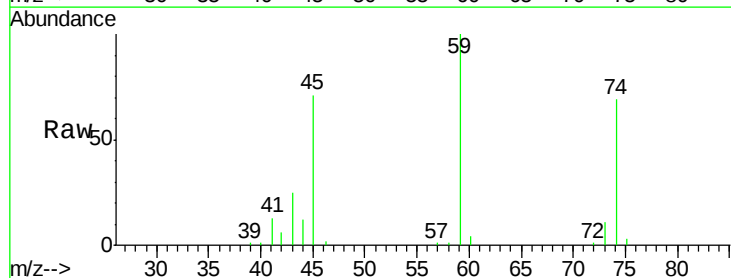
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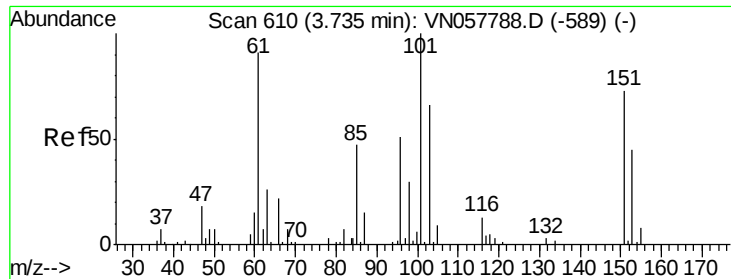


#8

Diethyl Ether
 Concen: 20.446 ug/l
 RT: 3.39 min Scan# 504
 Delta R.T. 0.00 min
 Lab File: VN058009.D
 Acq: 13 Sep 2019 11:40

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.9	20.3	182.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.224 ug/l

RT: 3.74 min Scan# 613

Delta R.T. 0.01 min

Lab File: VN058009.D

Acq: 13 Sep 2019 11:40

Instrument :

MSVOA_N

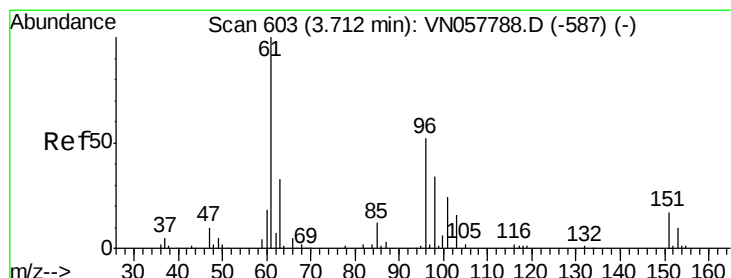
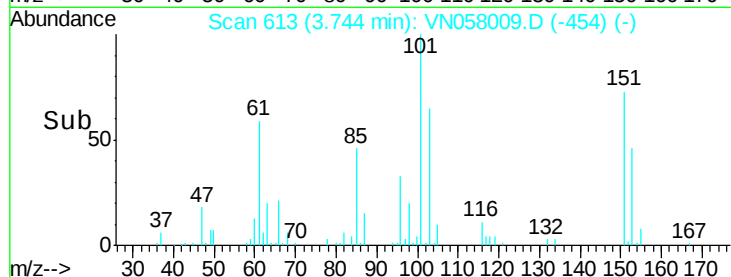
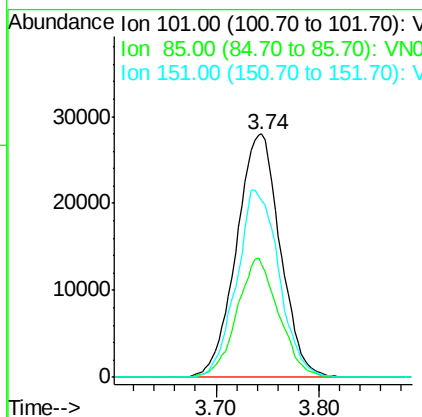
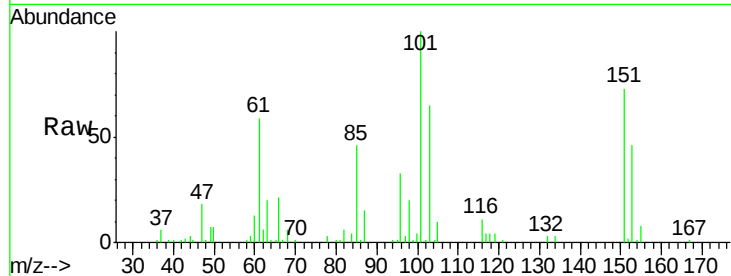
ClientSampleId :

VN0914WBS01

Tot Ion:	101	Resp:	82609
Ion Ratio	Lower	Upper	
101	100		
85	46.7	0.0	94.0
151	74.5	0.0	144.4

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#10

1,1-Dichloroethene

Concen: 19.390 ug/l

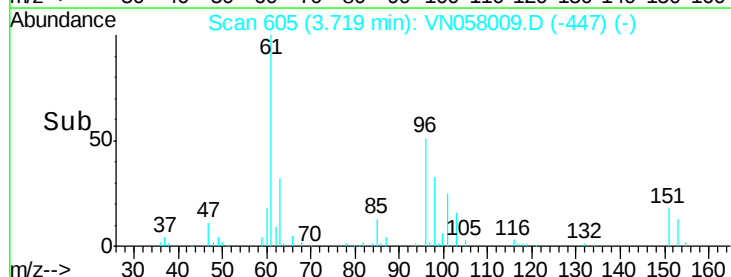
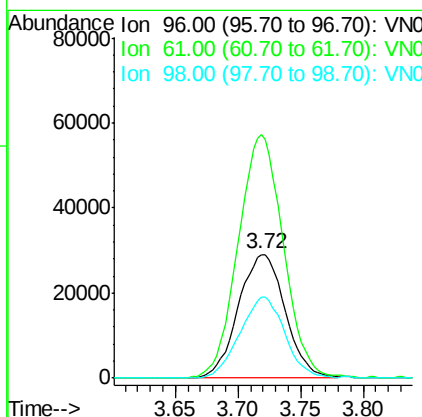
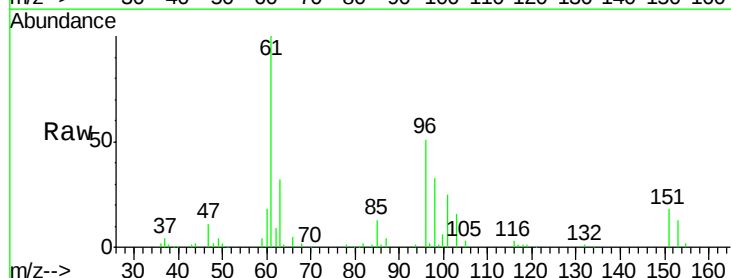
RT: 3.72 min Scan# 605

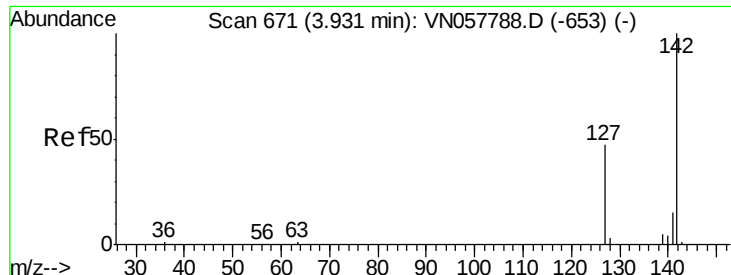
Delta R.T. 0.01 min

Lab File: VN058009.D

Acq: 13 Sep 2019 11:40

Tgt Ion:	96	Resp:	75314
Ion Ratio	Lower	Upper	
96	100		
61	196.7	153.4	230.0
98	65.6	51.5	77.3





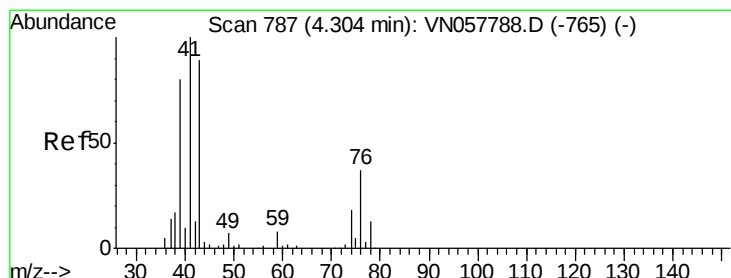
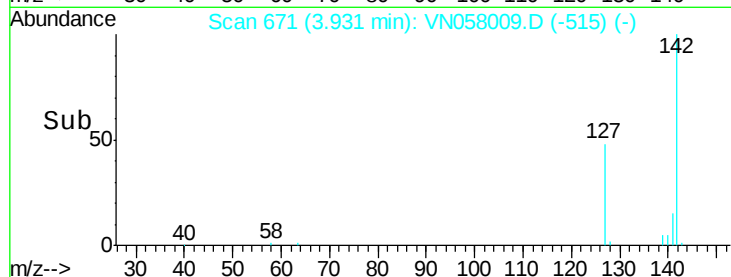
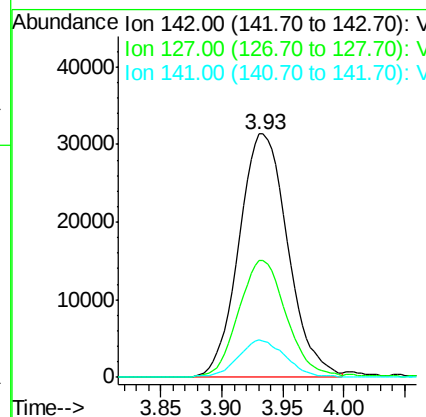
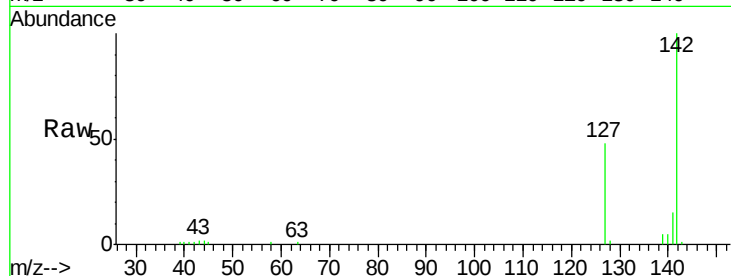
#11
Methyl Iodide
Concen: 16.777 ug/l
RT: 3.93 min Scan# 671
Delta R.T. 0.00 min
Lab File: VN058009.D
Acq: 13 Sep 2019 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBS01

Tot Ion	Ratio	Lower	Upper
142	100		
127	47.9	23.3	69.8
141	15.4	7.5	22.6

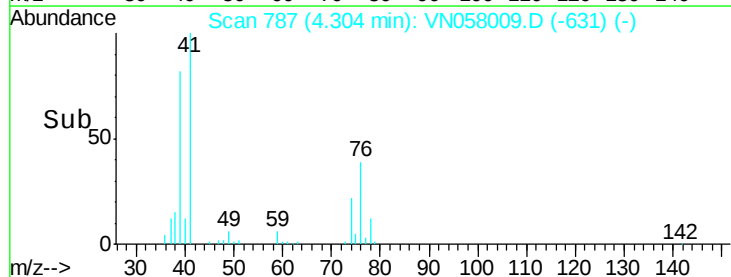
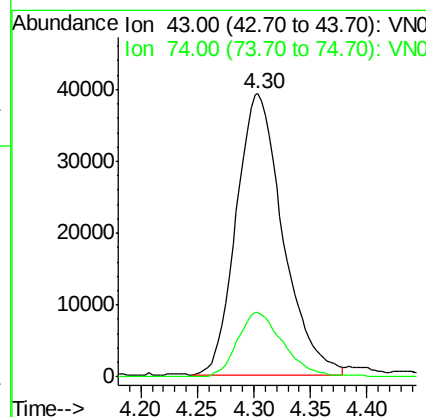
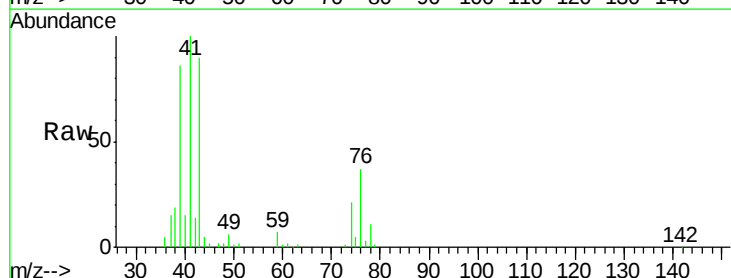
Manual Integrations
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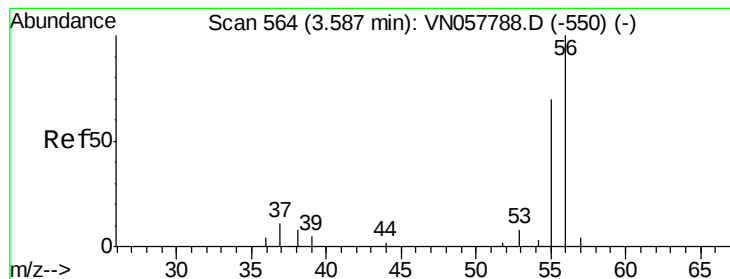
MMDadoda
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#12
Methyl Acetate
Concen: 21.054 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.00 min
Lab File: VN058009.D
Acq: 13 Sep 2019 11:40

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.8	16.2	24.4





#13

Acrolein

Concen: 14.225 ug/l m

RT: 3.59 min Scan# 565

Delta R.T. 0.00 min

Lab File: VN058009.D

Acq: 13 Sep 2019 11:40

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBS01

Tot Ion: 56 Resp: 4114

Ion Ratio Lower Upper

56 100

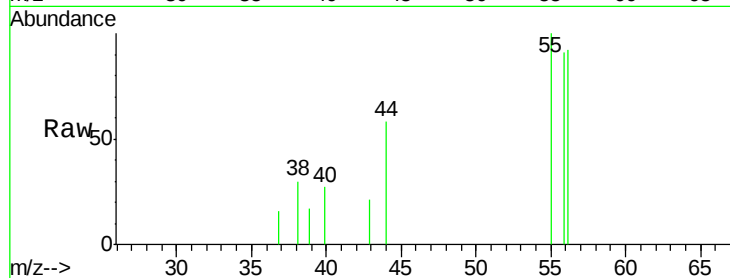
55 60.2 59.0 88.4

Manual Integrations

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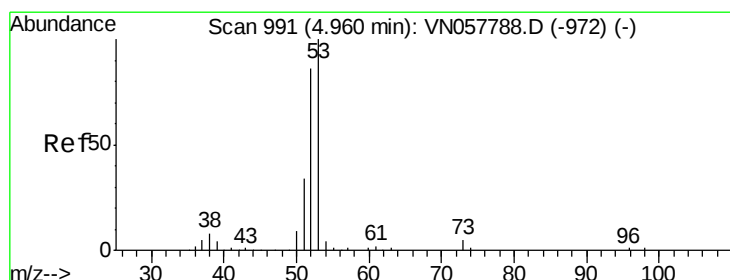
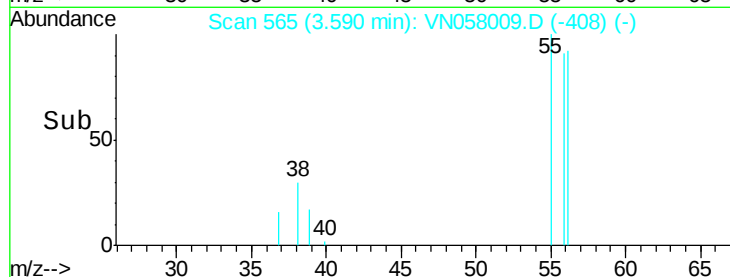
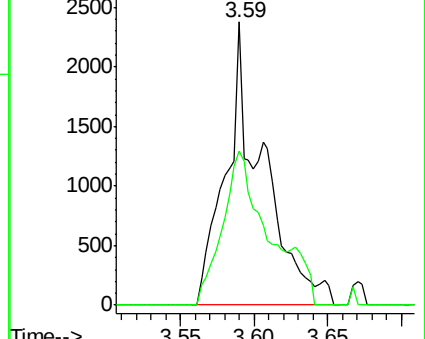
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 105.747 ug/l

RT: 4.96 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN058009.D

Acq: 13 Sep 2019 11:40

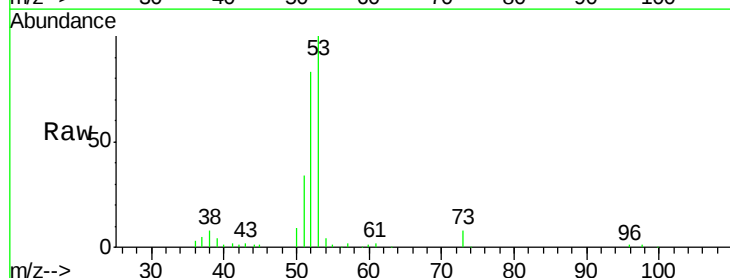
Tgt Ion: 53 Resp: 229789

Ion Ratio Lower Upper

53 100

52 81.8 41.0 123.0

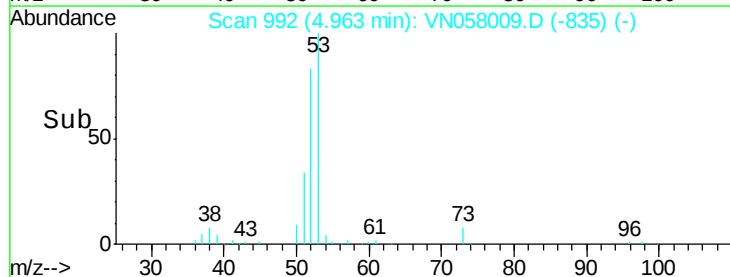
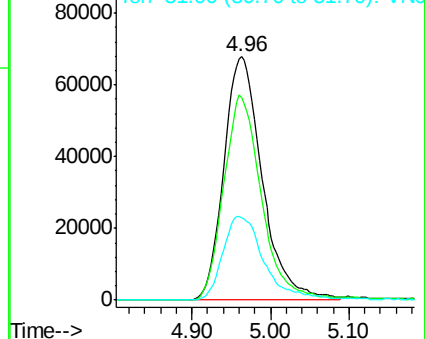
51 36.8 8.6 25.8#

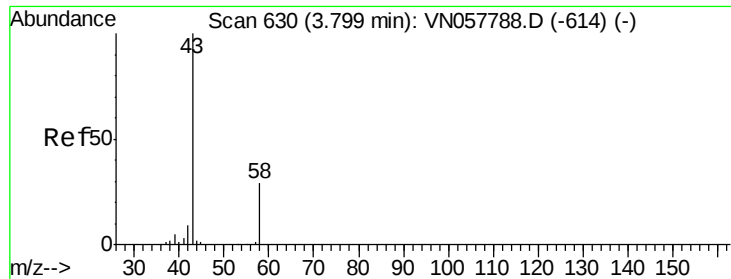


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 99.686 ug/l

RT: 3.79 min Scan# 628

Delta R.T. -0.01 min

Lab File: VN058009.D

Acq: 13 Sep 2019 11:40

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBS01

Tot Ion: 58 Resp: 61498

Ion Ratio Lower Upper

58 100

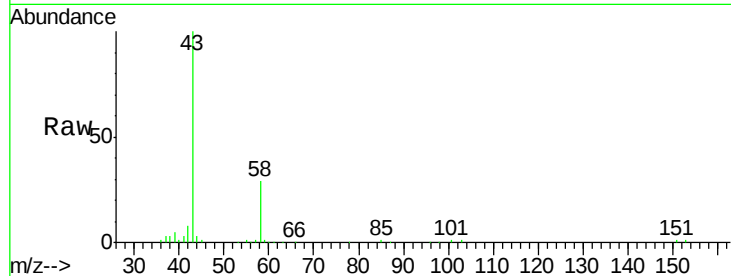
43 342.6 277.7 416.5

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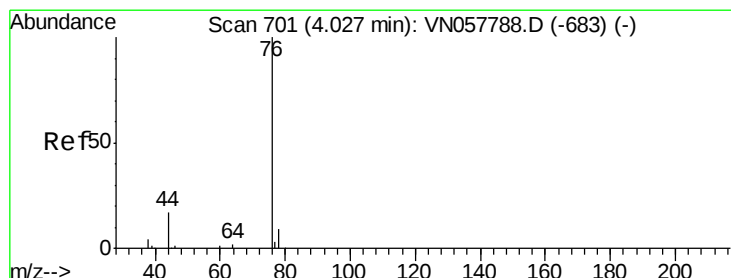
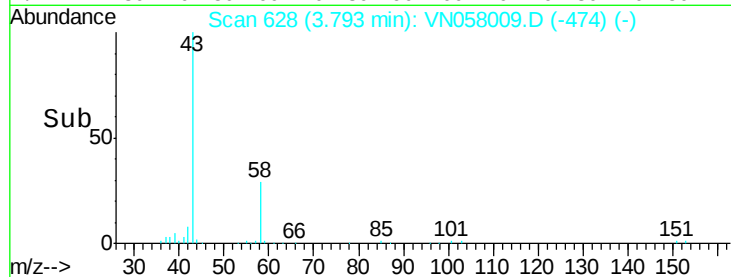
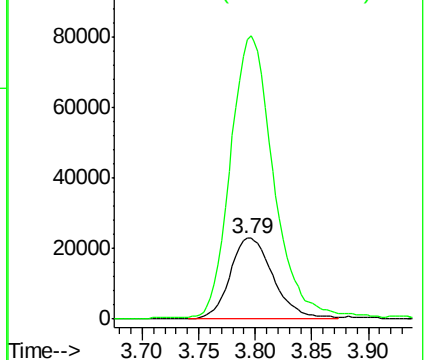
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Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 16.737 ug/l

RT: 4.03 min Scan# 703

Delta R.T. 0.01 min

Lab File: VN058009.D

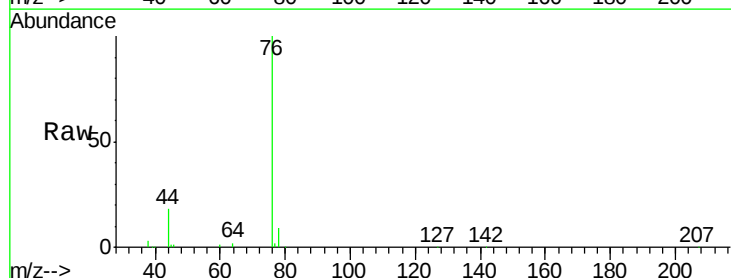
Acq: 13 Sep 2019 11:40

Tgt Ion: 76 Resp: 151385

Ion Ratio Lower Upper

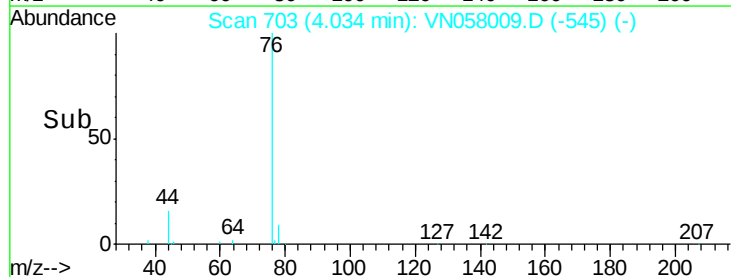
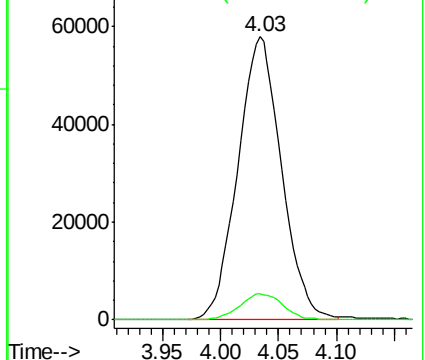
76 100

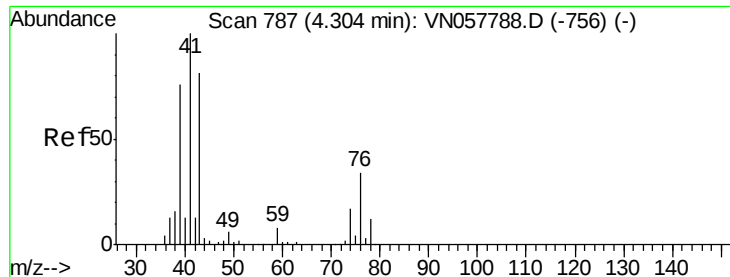
78 9.2 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#17

Allvl chloride

Concen: 19.790 ug/l

RT: 4.30 min Scan# 786

Delta R.T. -0.00 min

Lab File: VN058009.D

Acq: 13 Sep 2019 11:40

Instrument :

MSVOA_N

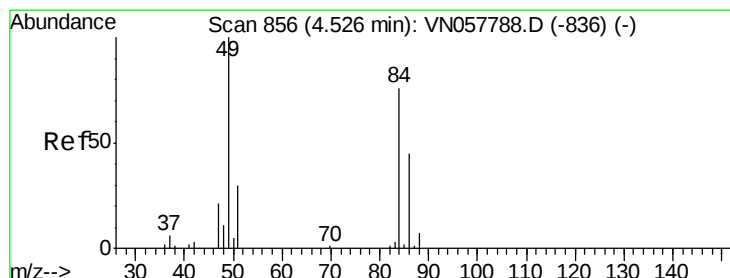
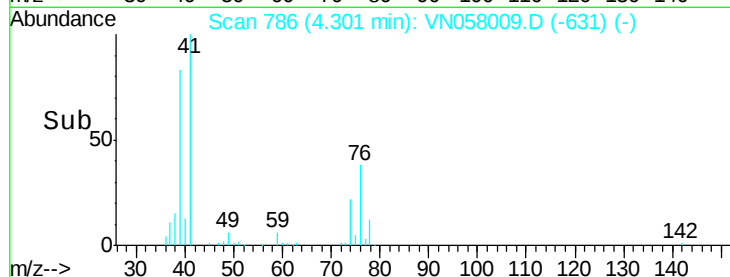
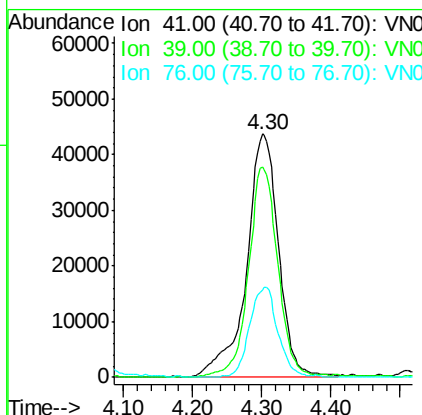
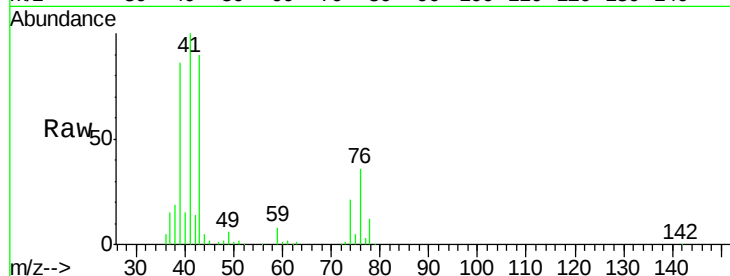
ClientSampleId :

VN0914WBS01

Tot Ion:	41	Resp:	140852
Ion	Ratio	Lower	Upper
41	100		
39	86.4	38.5	115.3
76	36.1	17.2	51.6

Manual Integrations
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#18

Methylene Chloride

Concen: 20.155 ug/l

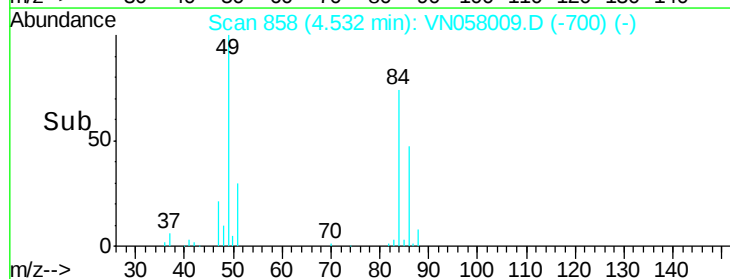
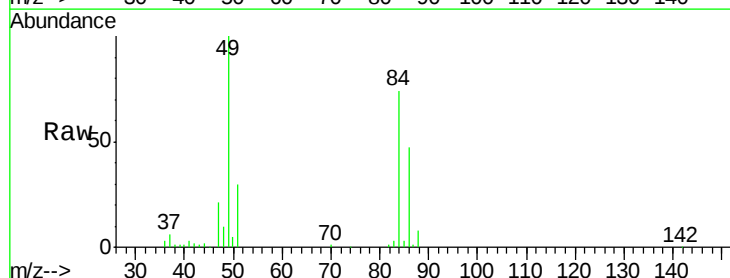
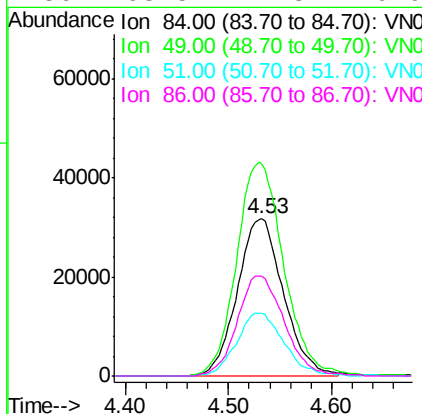
RT: 4.53 min Scan# 858

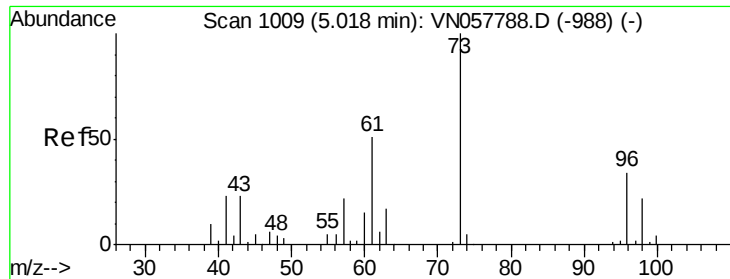
Delta R.T. 0.01 min

Lab File: VN058009.D

Acq: 13 Sep 2019 11:40

Tgt Ion:	84	Resp:	98653
Ion	Ratio	Lower	Upper
84	100		
49	135.5	105.4	158.2
51	40.1	31.3	46.9
86	63.5	47.3	70.9





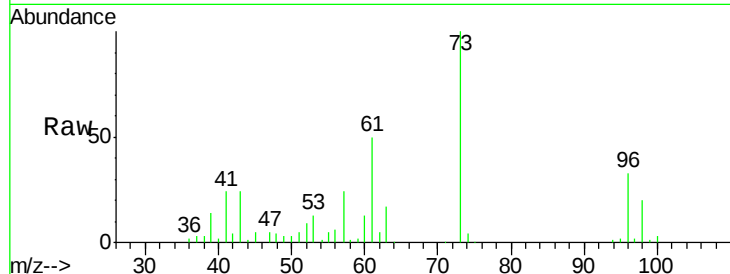
#19
trans-1,2-Dichloroethene
Concen: 19.749 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN058009.D
Acq: 13 Sep 2019 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	149.5	121.0	181.6
98	60.8	52.7	79.1

Manual Integrations
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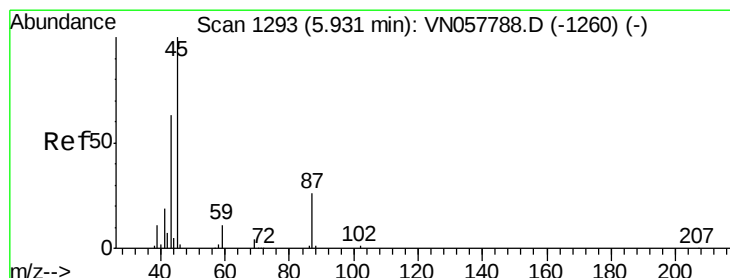
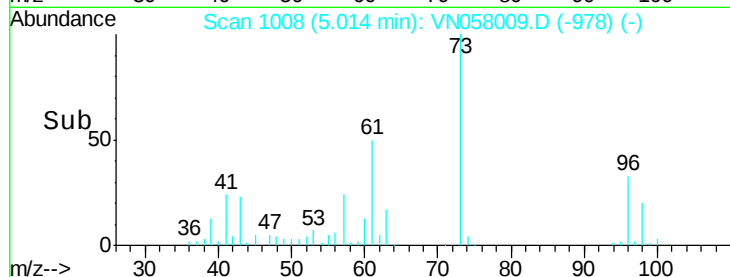
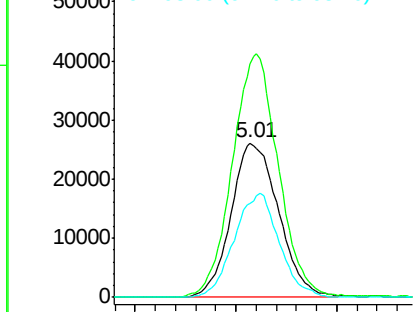


Abundance

Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#20
Diisopropyl ether
Concen: 19.827 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. -0.00 min
Lab File: VN058009.D
Acq: 13 Sep 2019 11:40

Tgt Ion	Ratio	Lower	Upper
45	100		
43	70.4	55.2	82.8
87	26.4	21.3	31.9
59	10.4	9.1	13.7

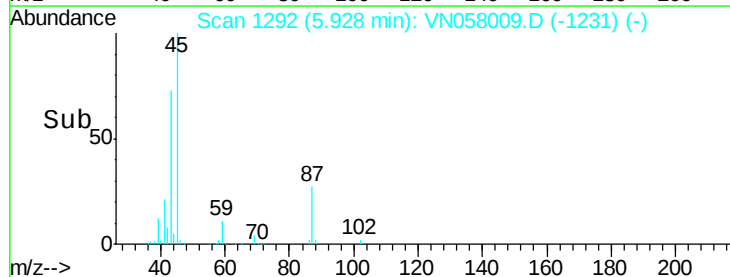
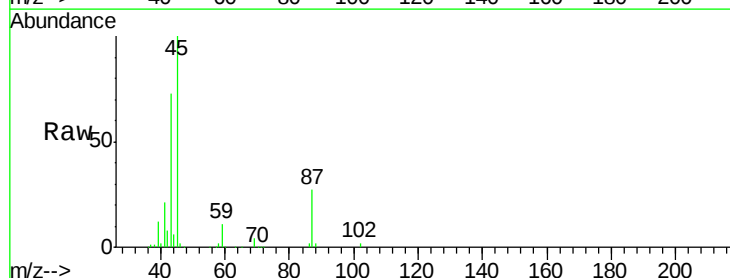
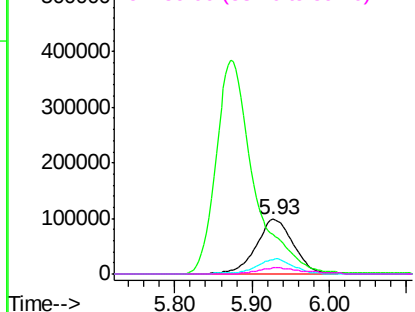
Abundance

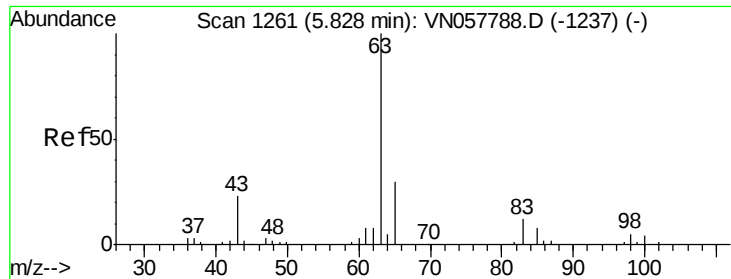
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





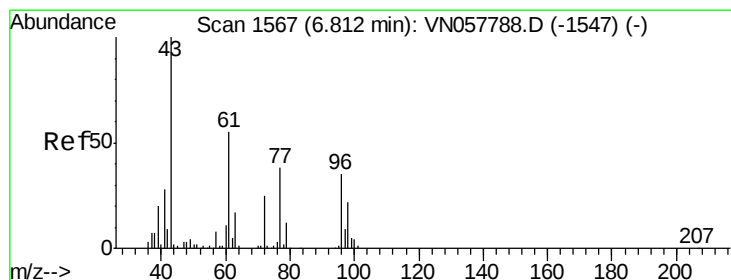
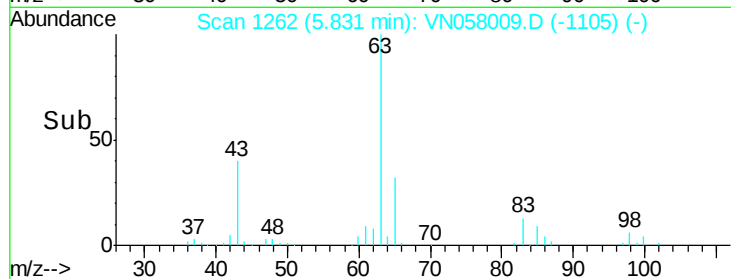
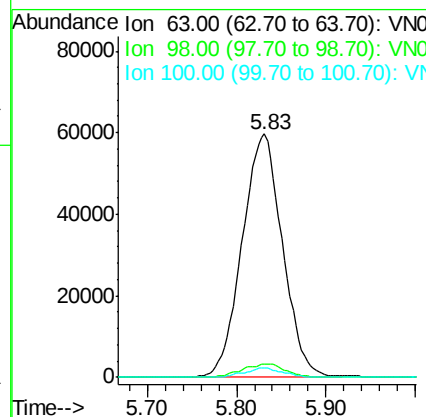
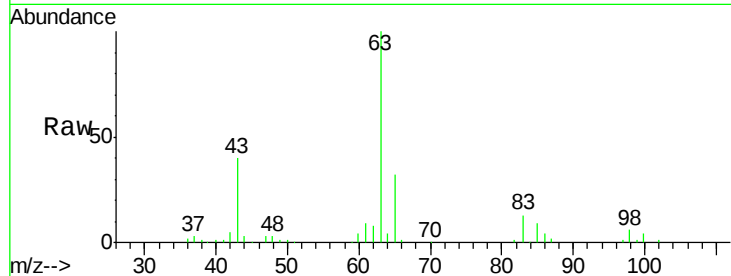
#21
 1,1-Dichloroethane
 Concen: 20.473 ug/l
 RT: 5.83 min Scan# 1262
 Delta R.T. 0.00 min
 Lab File: VN058009.D
 Acq: 13 Sep 2019 11:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBS01

Tot Ion	Ratio	Resp Lower	Upper
63	100		
98	5.6	2.8	8.3
100	3.8	1.8	5.5

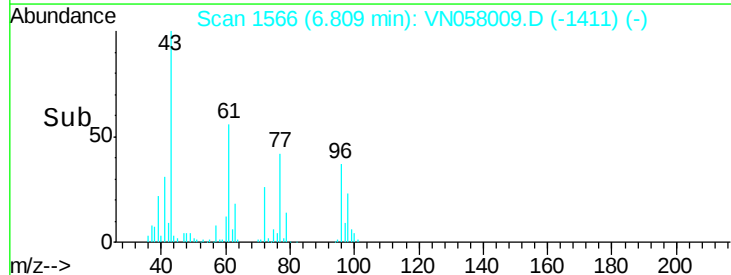
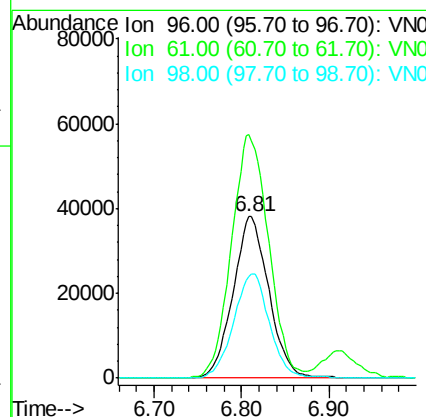
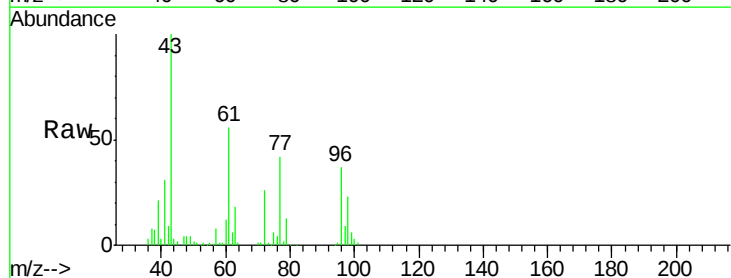
Manual Integrations
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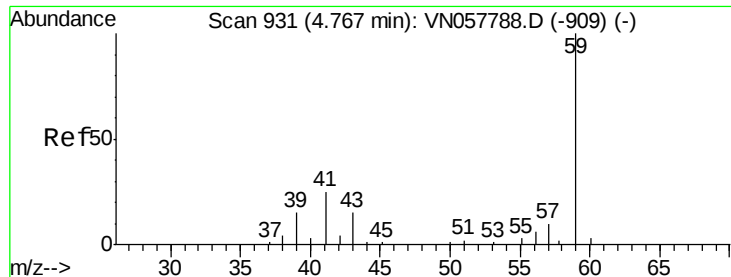
MMDadoda
 9/16/2019 2:46:45 PM



#22
 cis-1,2-Dichloroethene
 Concen: 20.302 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. -0.00 min
 Lab File: VN058009.D
 Acq: 13 Sep 2019 11:40

Tgt Ion	Ratio	Resp Lower	Upper
96	100		
61	156.9	127.4	191.0
98	64.7	51.5	77.3





#23

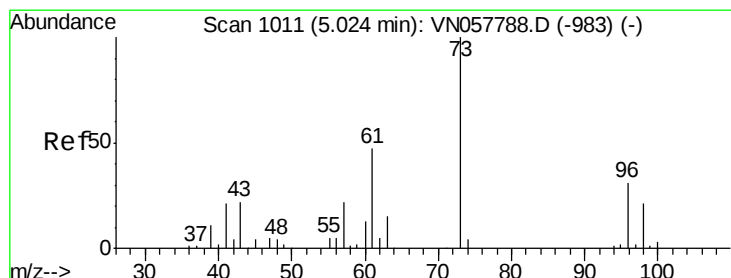
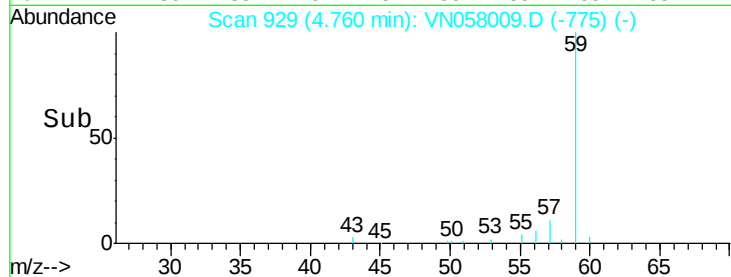
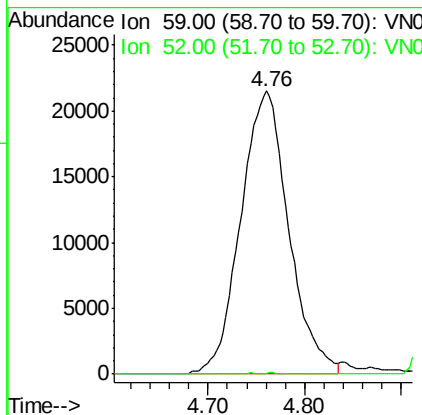
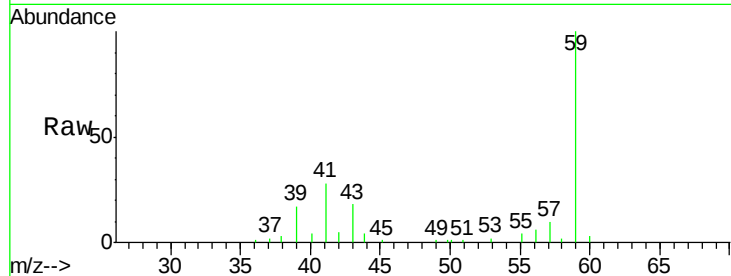
tert-Butyl Alcohol
 Concen: 104.268 ug/l
 RT: 4.76 min Scan# 929
 Delta R.T. -0.01 min
 Lab File: VN058009.D
 Acq: 13 Sep 2019 11:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.1	0.0	0.0#

Manual Integrations
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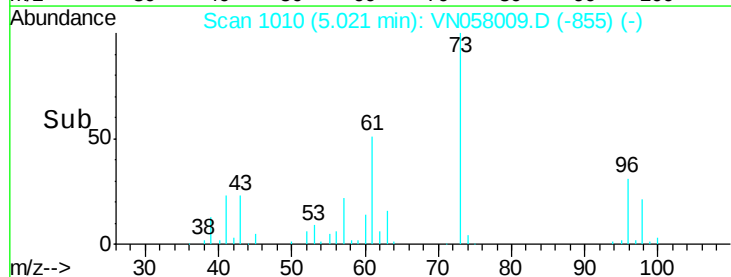
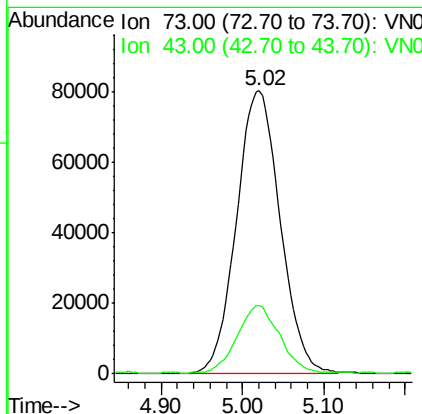
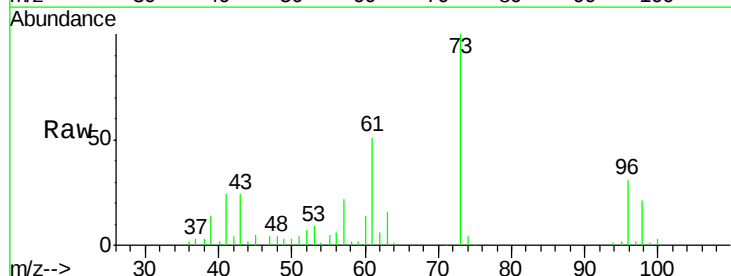
MMDadoda
 9/16/2019 2:46:45 PM

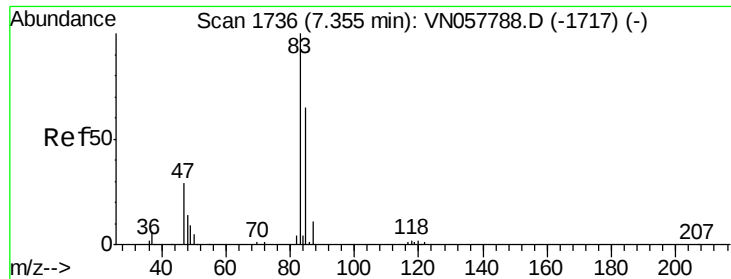


#24

Methyl tert-Butyl Ether
 Concen: 20.022 ug/l
 RT: 5.02 min Scan# 1010
 Delta R.T. -0.00 min
 Lab File: VN058009.D
 Acq: 13 Sep 2019 11:40

Tgt Ion	Ratio	Lower	Upper
73	100		
43	23.1	0.0	0.0#





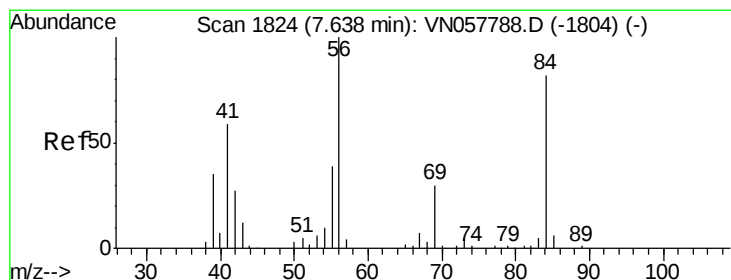
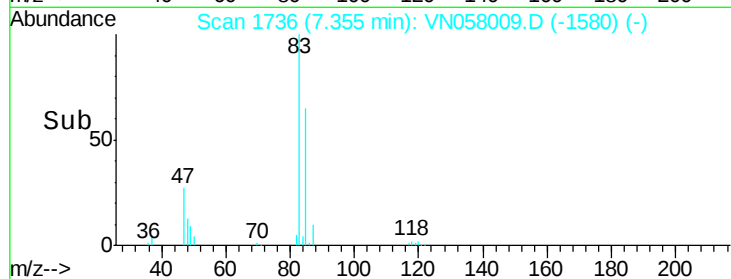
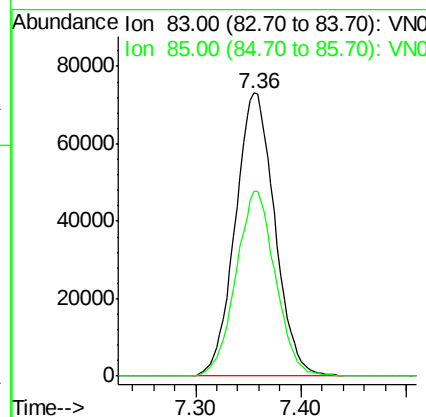
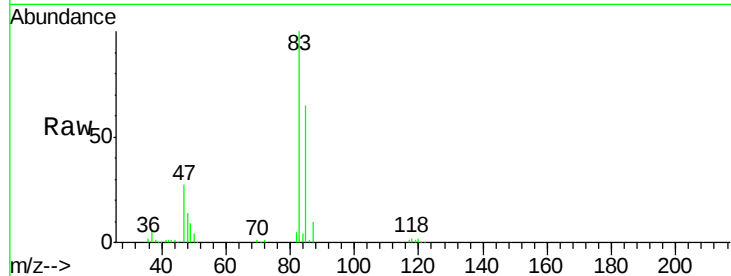
#25
Chloroform
Concen: 20.336 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN058009.D
Acq: 13 Sep 2019 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBS01

Tot Ion	83	Resp	189954
Ion Ratio	100	Lower	Upper
83	100		
85	65.3	51.8	77.6

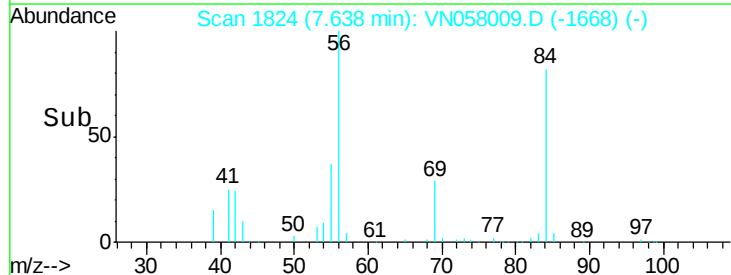
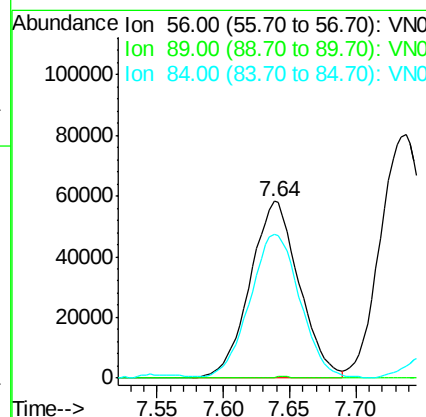
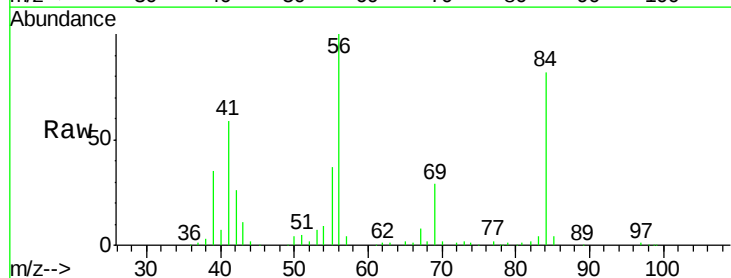
Manual Integrations
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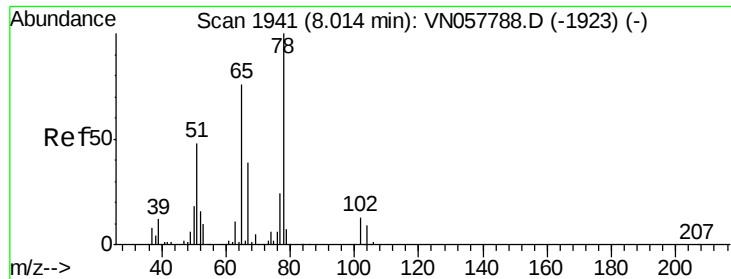
MMDadoda
9/16/2019 2:46:45 PM



#26
Cyclohexane
Concen: 19.564 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.00 min
Lab File: VN058009.D
Acq: 13 Sep 2019 11:40

Tgt Ion	56	Resp	150819
Ion Ratio	100	Lower	Upper
56	100		
89	0.2	0.3	0.5#
84	81.7	66.6	100.0





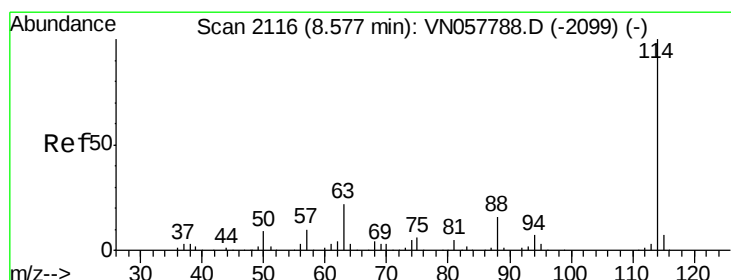
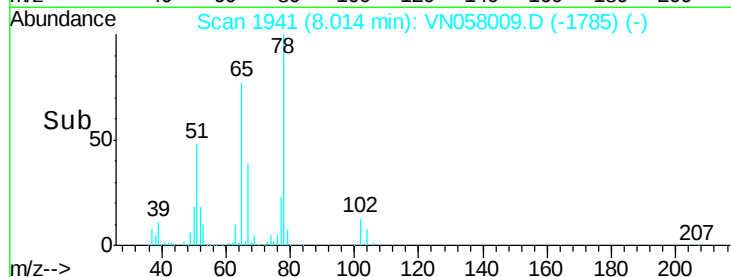
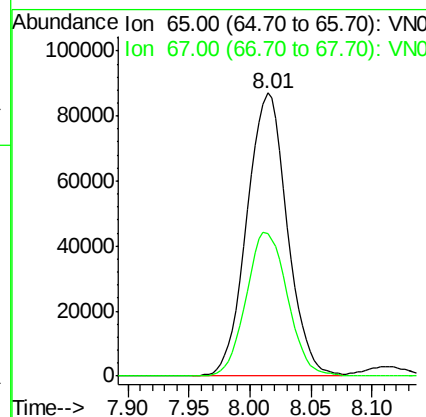
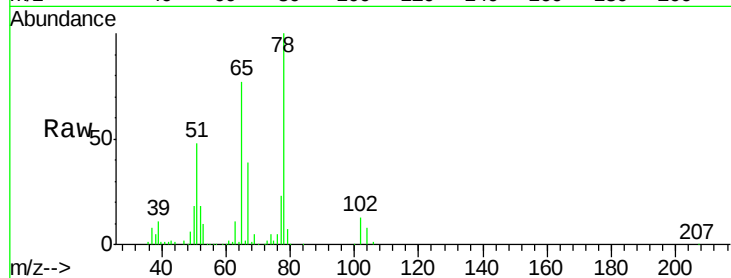
#27
 1,2-Dichloroethane-d4
 Concen: 30.677 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN058009.D
 Acq: 13 Sep 2019 11:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	199332		
67	52.0	40.9	61.3	

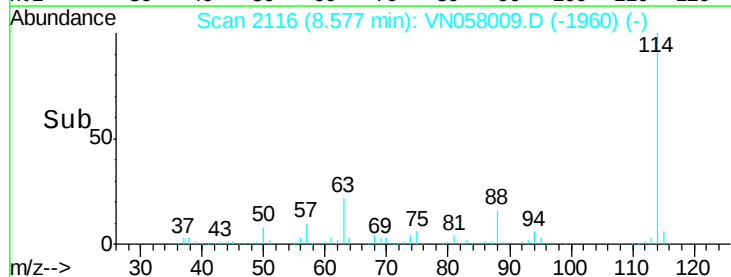
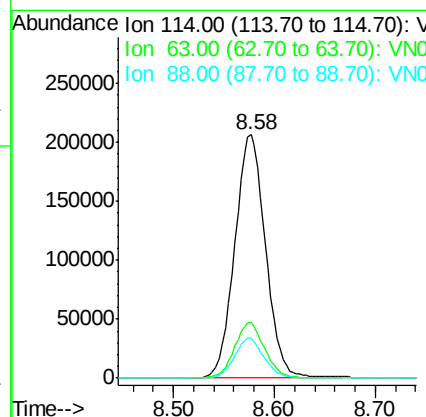
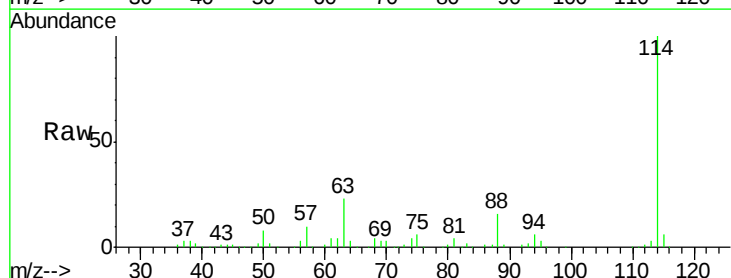
Manual Integrations
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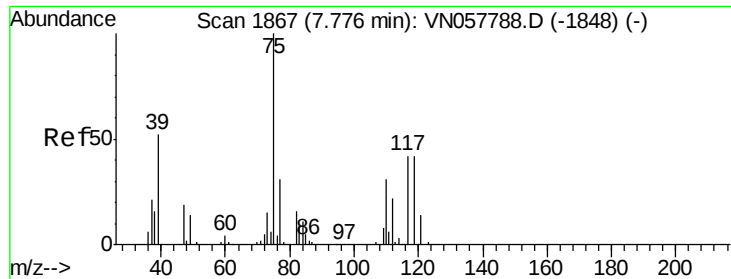
MMDadoda
 9/16/2019 2:46:45 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN058009.D
 Acq: 13 Sep 2019 11:40

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	437721		
63	22.3	18.0	27.0	
88	15.6	12.6	19.0	





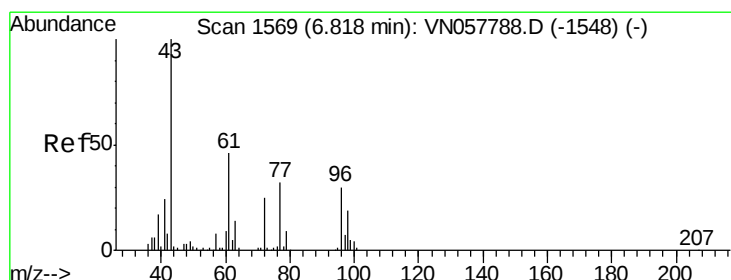
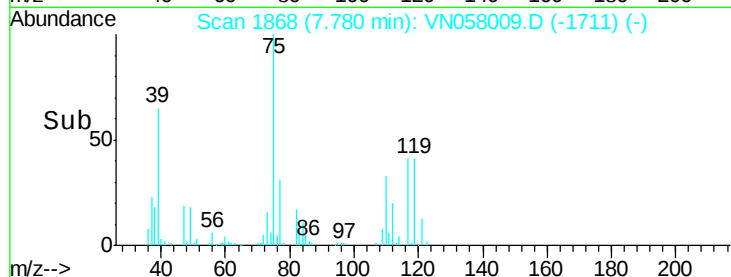
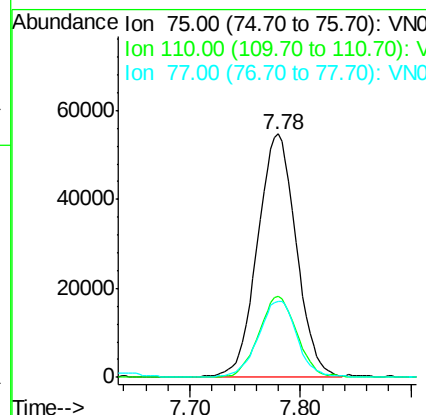
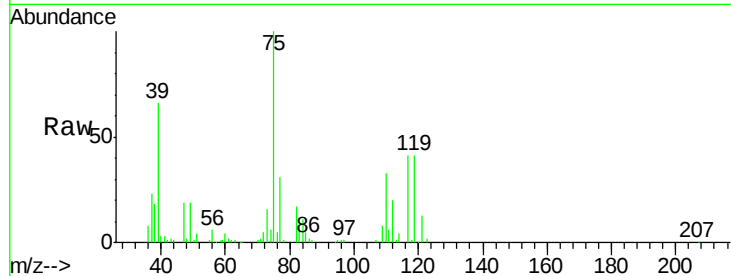
#29
 1,1-Dichloropropene
 Concen: 19.385 ug/l
 RT: 7.78 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VN058009.D
 Acq: 13 Sep 2019 11:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBS01

Tot Ion	Ratio	Resp	Lower	Upper
75	100			
110	32.3	0.0	63.8	
77	31.2	0.0	60.0	

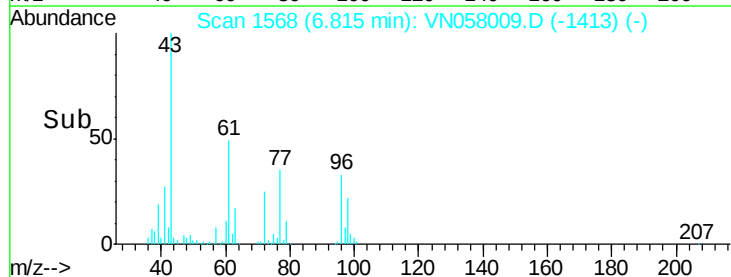
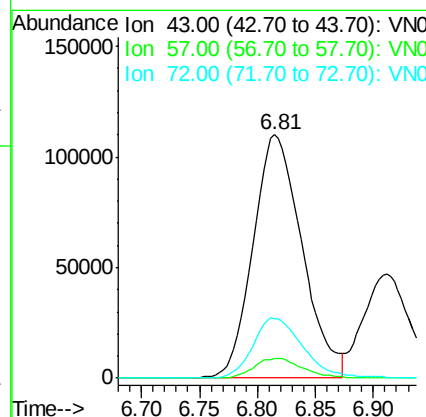
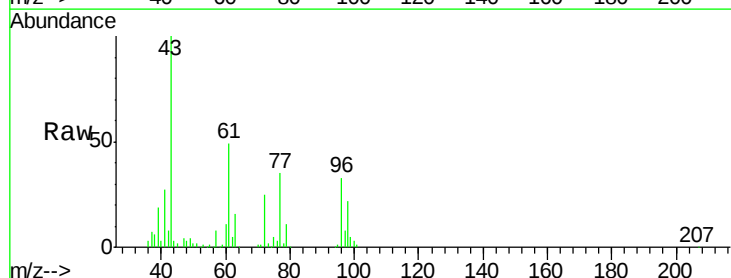
Manual Integrations
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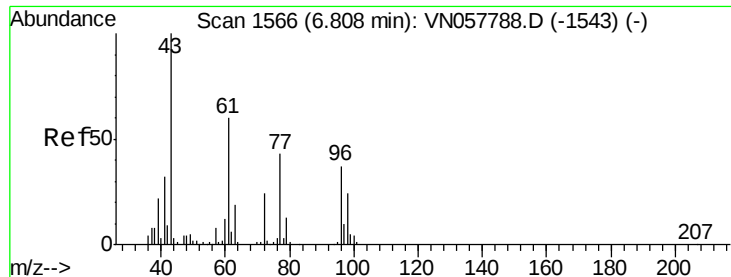
MMDadoda
 9/16/2019 2:46:45 PM



#30
 2-Butanone
 Concen: 103.862 ug/l
 RT: 6.81 min Scan# 1568
 Delta R.T. -0.00 min
 Lab File: VN058009.D
 Acq: 13 Sep 2019 11:40

Tgt Ion	Ratio	Resp	Lower	Upper
43	100			
57	8.0	6.4	9.6	
72	25.0	20.3	30.5	





#31

2,2-Dichloropropane

Concen: 19.391 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN058009.D

Acq: 13 Sep 2019 11:40

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBS01

Tot Ion: 77 Resp: 140974

Ion Ratio Lower Upper

77 100

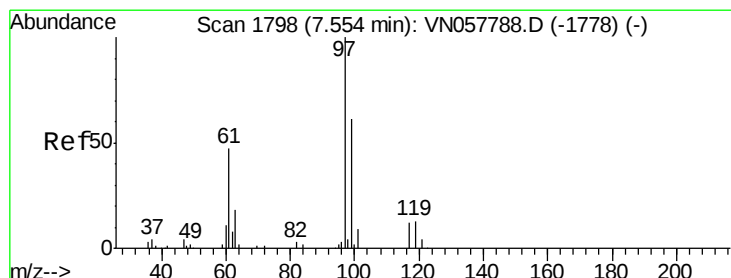
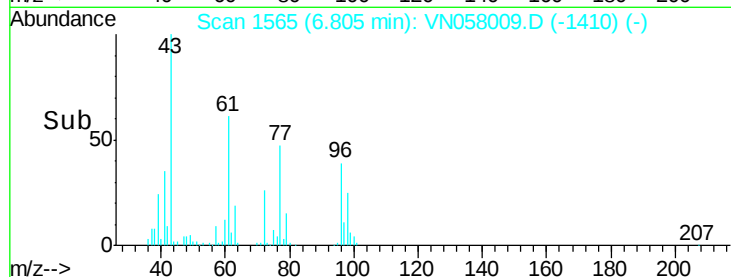
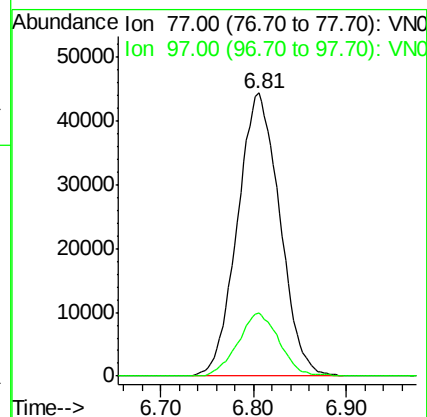
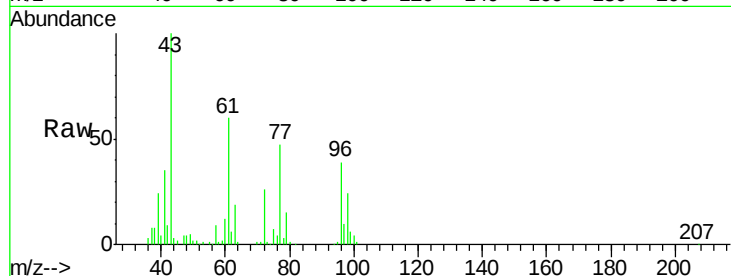
97 21.7 17.7 26.5

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 19.784 ug/l

RT: 7.56 min Scan# 1799

Delta R.T. 0.00 min

Lab File: VN058009.D

Acq: 13 Sep 2019 11:40

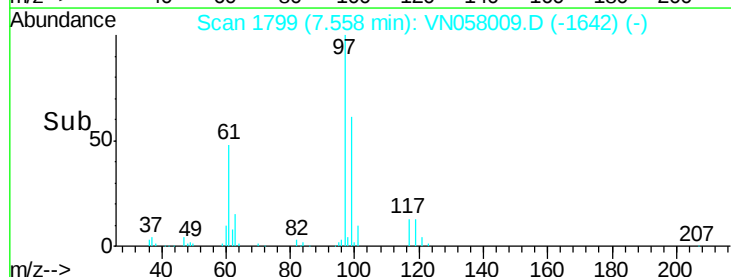
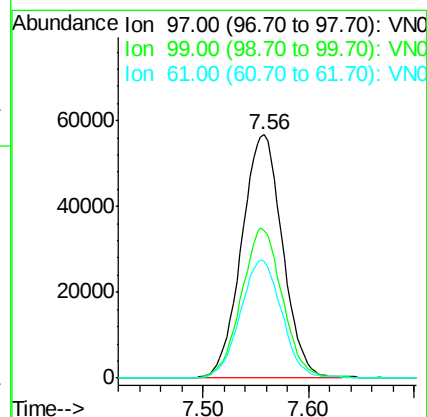
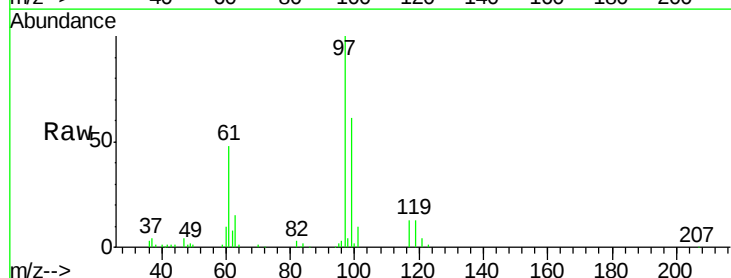
Tgt Ion: 97 Resp: 153172

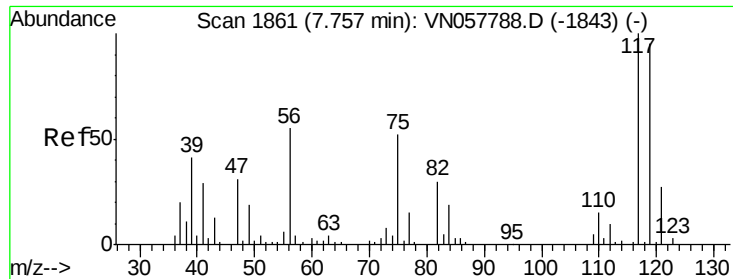
Ion Ratio Lower Upper

97 100

99 61.6 49.8 74.8

61 48.8 38.7 58.1





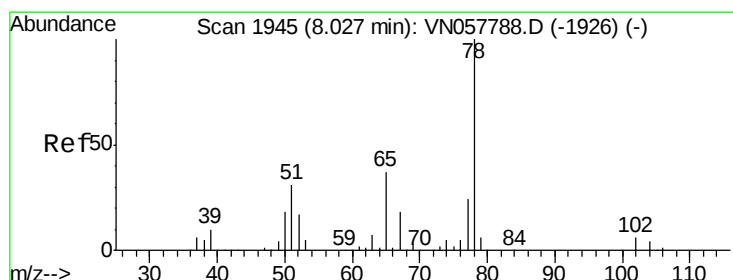
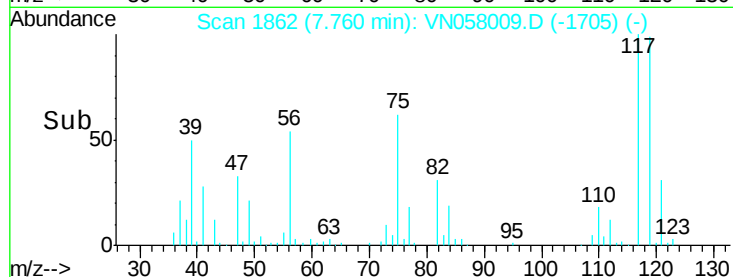
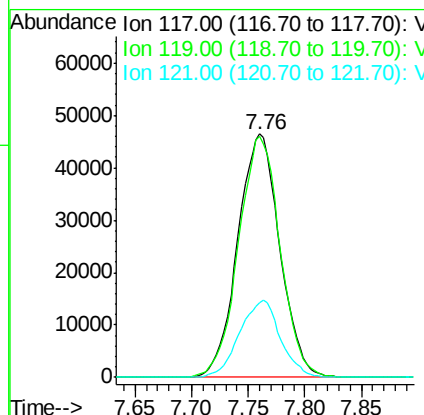
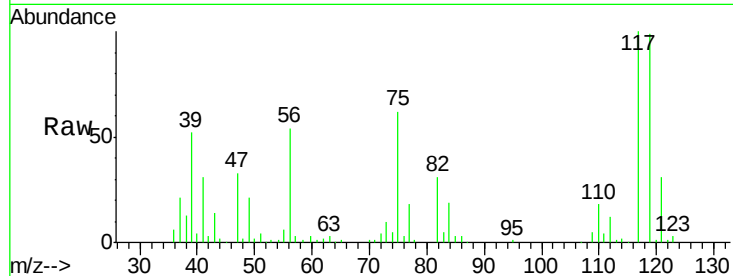
#33
Carbon Tetrachloride
Concen: 18.982 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VN058009.D
Acq: 13 Sep 2019 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
117	100		119885		
119	98.5	75.7	113.5		
121	30.6	21.7	32.5		

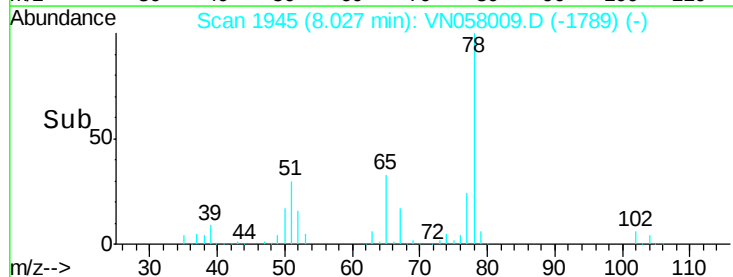
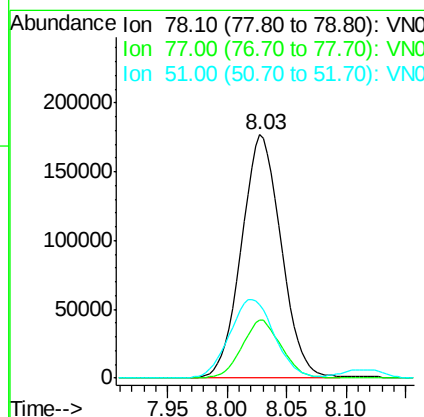
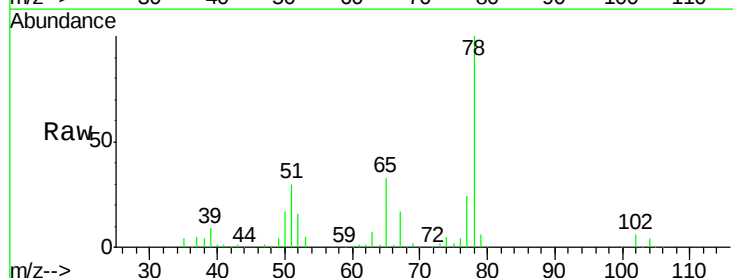
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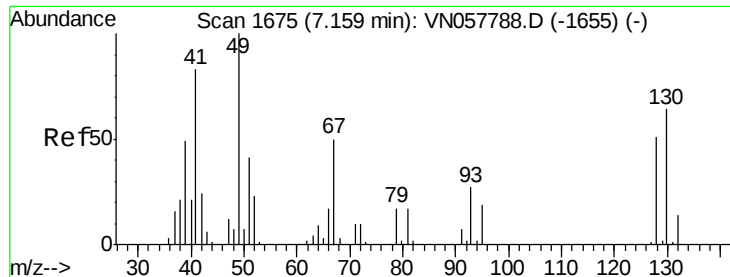
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#34
Benzene
Concen: 20.066 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN058009.D
Acq: 13 Sep 2019 11:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
78	100		409418		
77	24.0	19.2	28.8		
51	29.7	24.9	37.3		





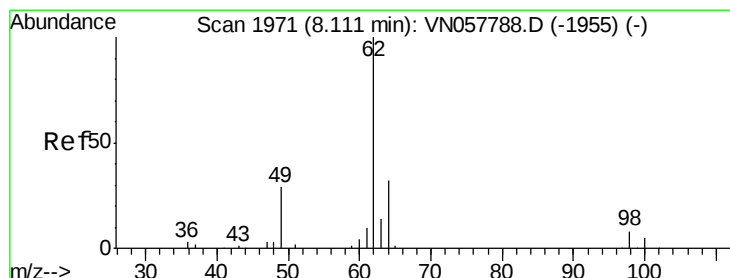
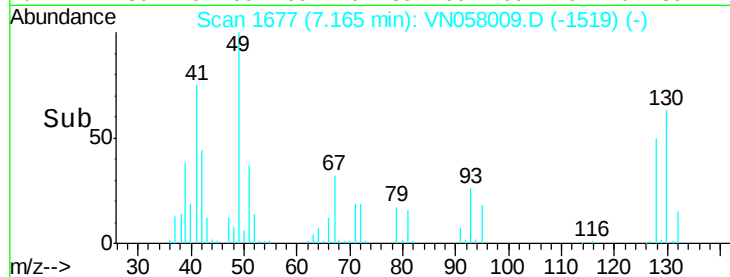
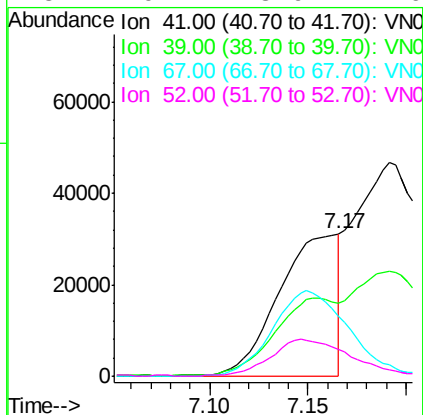
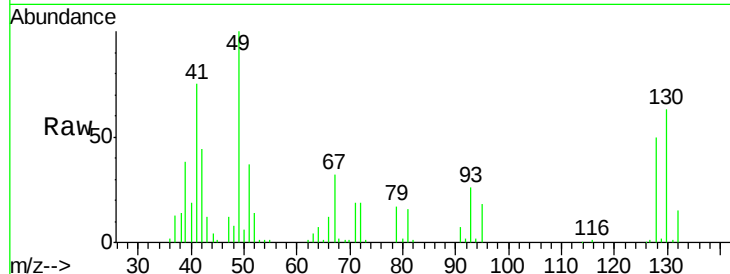
#35
Methacrylonitrile
Concen: 22.849 ug/l m
RT: 7.17 min Scan# 1677
Delta R.T. 0.01 min
Lab File: VN058009.D
Acq: 13 Sep 2019 11:40

Instrument :
MSVOA_N
ClientSampled :
VN0914WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		65801		
39	50.8	29.8	89.5		
67	42.5	30.0	90.1		
52	19.2	13.9	41.6		

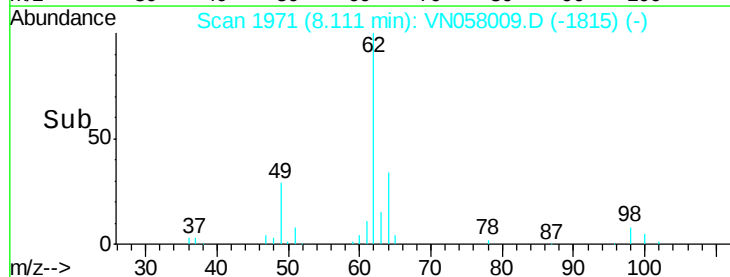
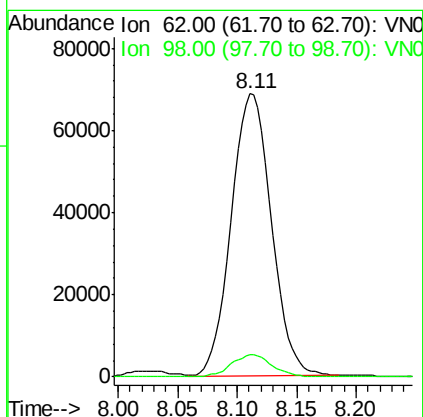
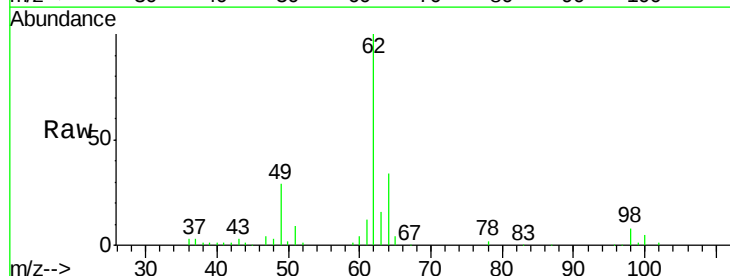
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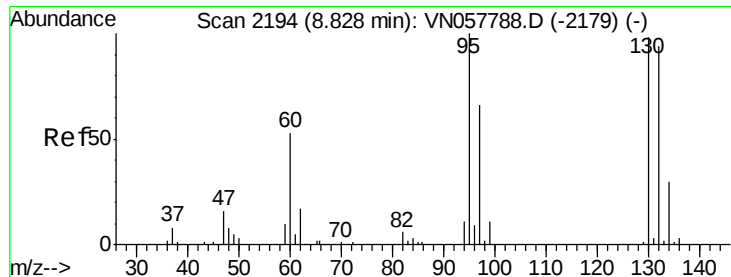
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#36
1,2-Dichloroethane
Concen: 20.344 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN058009.D
Acq: 13 Sep 2019 11:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		161078		
98	7.9	6.6	9.8		





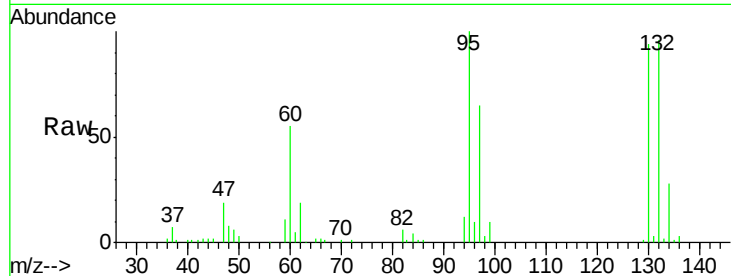
#37
 Trichloroethene
 Concen: 19.783 ug/l
 RT: 8.83 min Scan# 2194
 Delta R.T. 0.00 min
 Lab File: VN058009.D
 Acq: 13 Sep 2019 11:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBS01

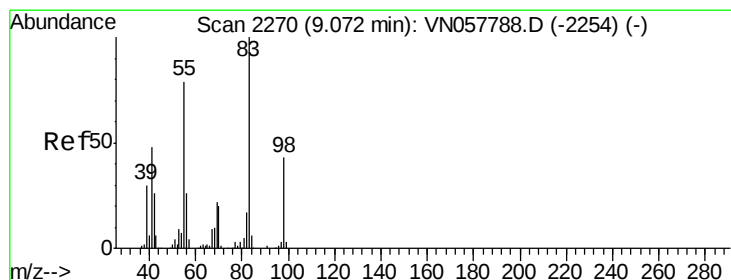
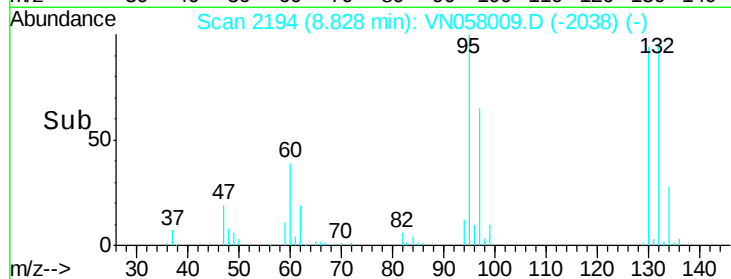
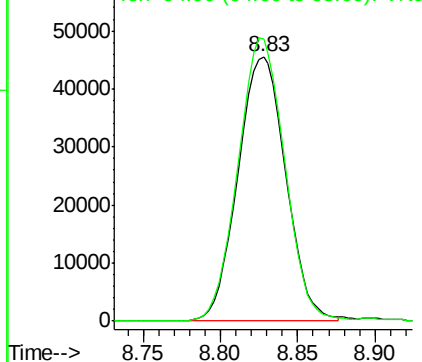
Tot Ion	Ion	Ratio	Resp	Lower	Upper
130	100		98034		
95	106.3	81.9	122.9		

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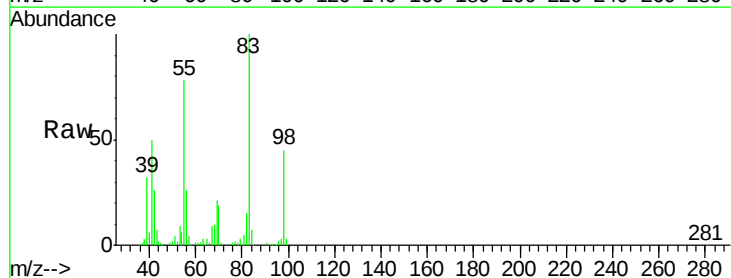


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

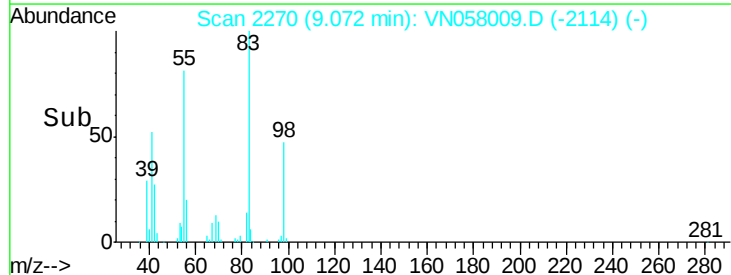
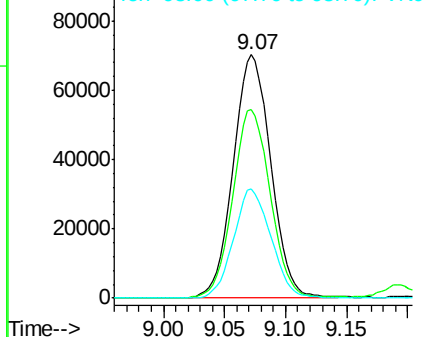


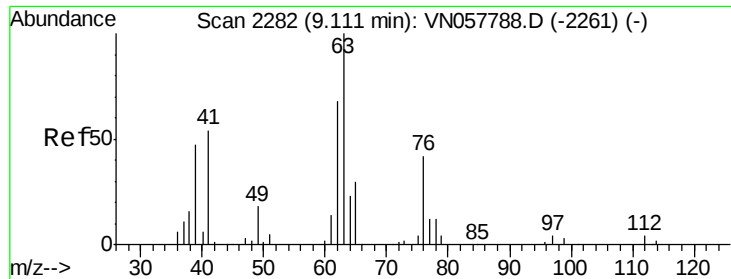
#38
 Methylcyclohexane
 Concen: 19.143 ug/l
 RT: 9.07 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VN058009.D
 Acq: 13 Sep 2019 11:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100		150101		
55	77.1	39.6	118.7		
98	44.7	21.8	65.4		



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





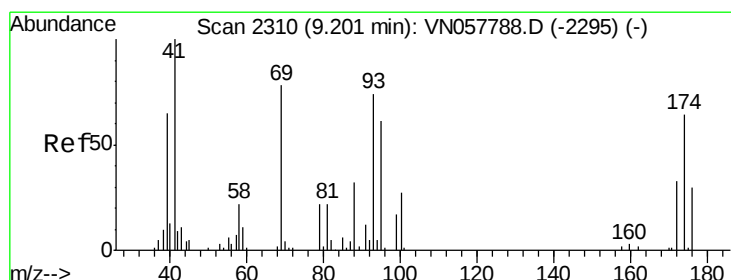
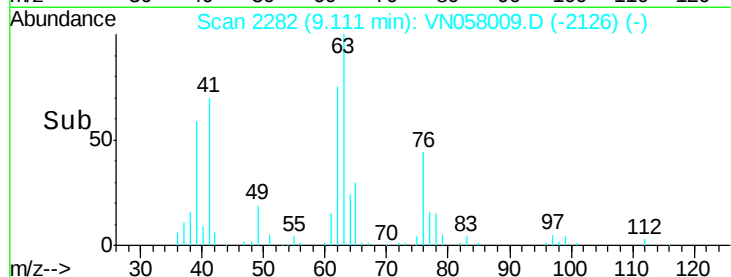
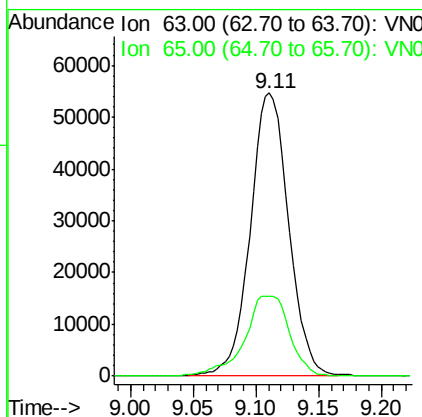
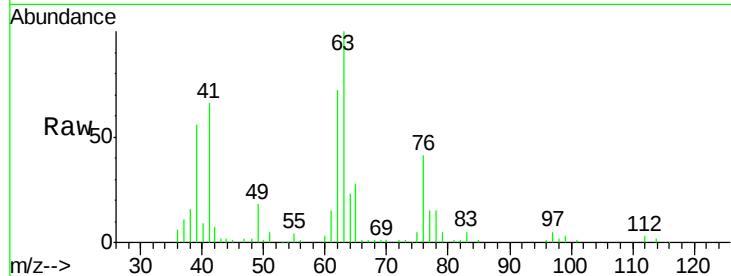
#39
 1,2-Dichloropropane
 Concen: 20.375 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN058009.D
 Acq: 13 Sep 2019 11:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBS01

Tot Ion: 63 Resp: 116749
 Ion Ratio Lower Upper
 63 100
 65 27.8 23.6 35.4

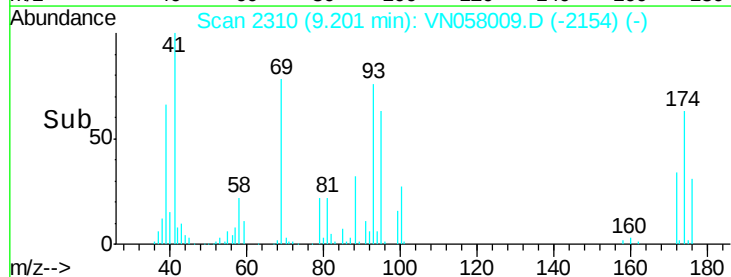
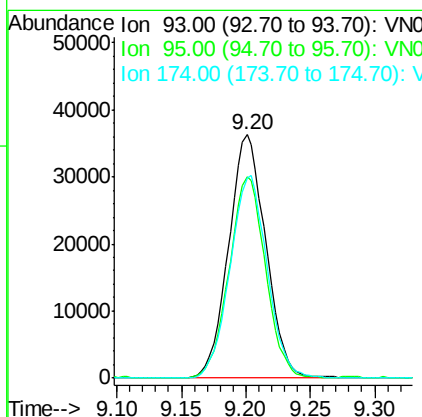
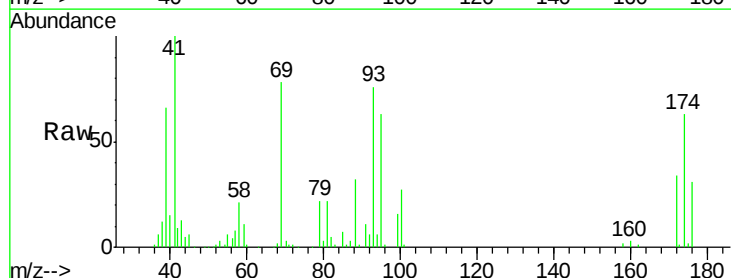
Manual Integrations
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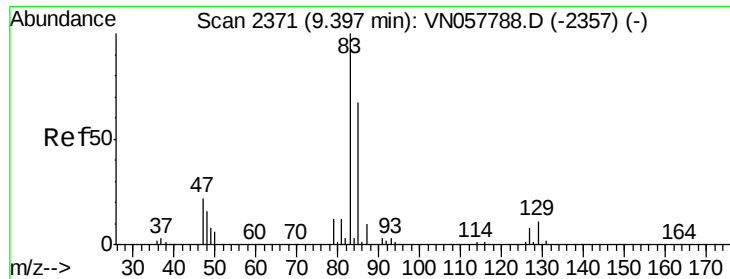
MMDadoda
 9/16/2019 2:46:45 PM



#40
 Dibromomethane
 Concen: 20.845 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN058009.D
 Acq: 13 Sep 2019 11:40

Tgt Ion: 93 Resp: 72646
 Ion Ratio Lower Upper
 93 100
 95 81.0 0.0 163.0
 174 83.5 0.0 171.4





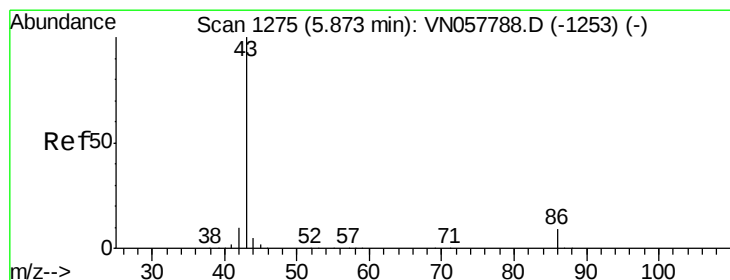
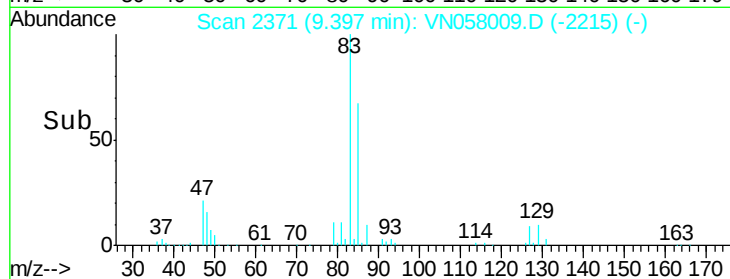
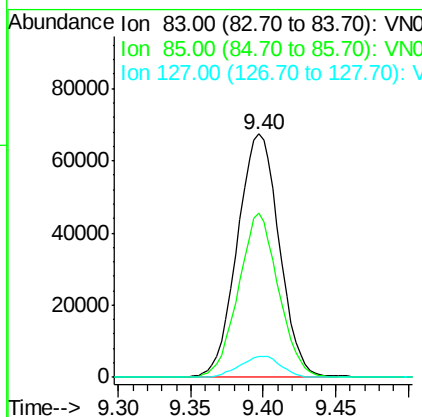
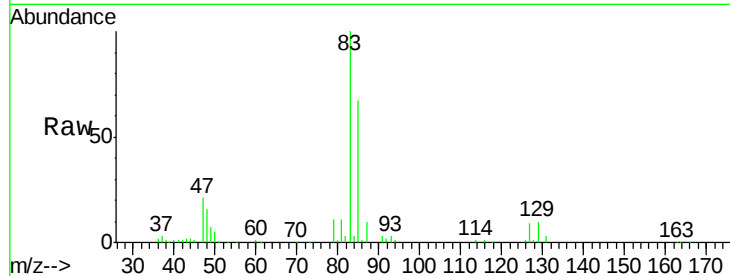
#41
 Bromodichloromethane
 Concen: 19.302 ug/l
 RT: 9.40 min Scan# 2371
 Delta R.T. 0.00 min
 Lab File: VN058009.D
 Acq: 13 Sep 2019 11:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBS01

Tot Ion	83	Resp	135621
Ion Ratio	100	Lower	Upper
83	100		
85	67.2	53.4	80.0
127	8.6	6.6	10.0

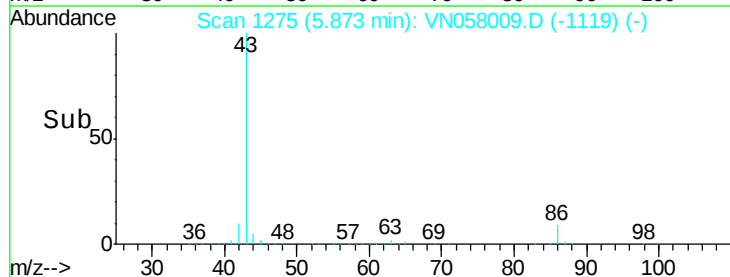
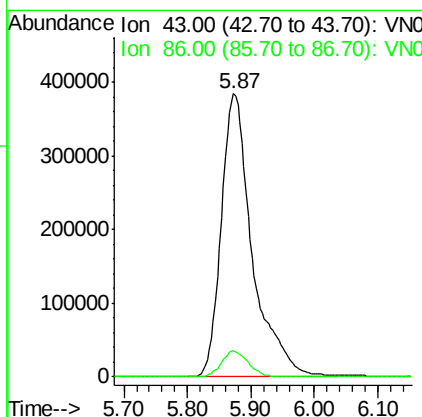
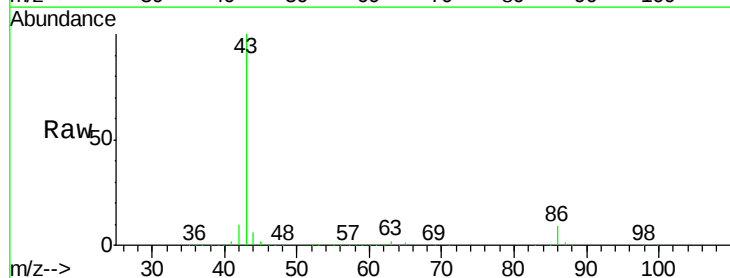
Manual Integrations
 APPROVED

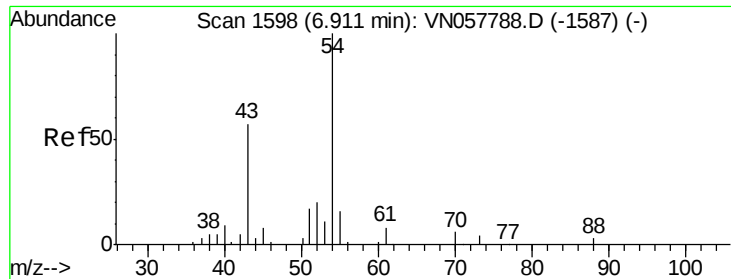
MMDadoda
 9/16/2019 2:46:45 PM



#42
 Vinyl Acetate
 Concen: 104.530 ug/l
 RT: 5.87 min Scan# 1275
 Delta R.T. 0.00 min
 Lab File: VN058009.D
 Acq: 13 Sep 2019 11:40

Tgt Ion	43	Resp	1304399
Ion Ratio	100	Lower	Upper
43	100		
86	7.9	6.3	9.5





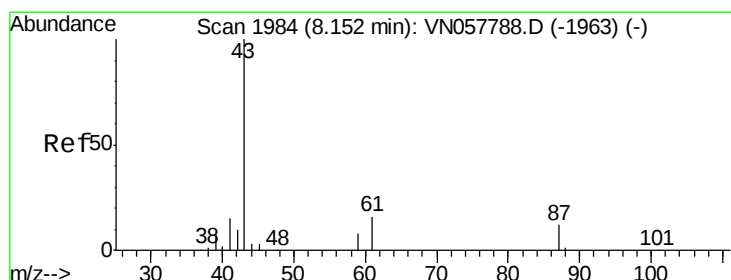
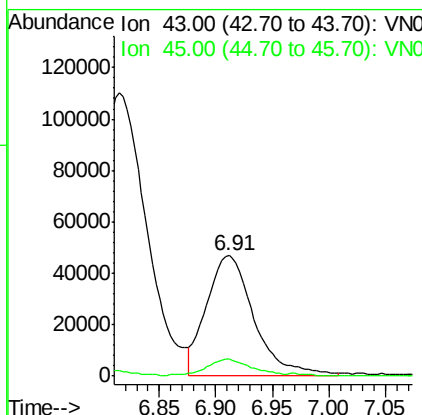
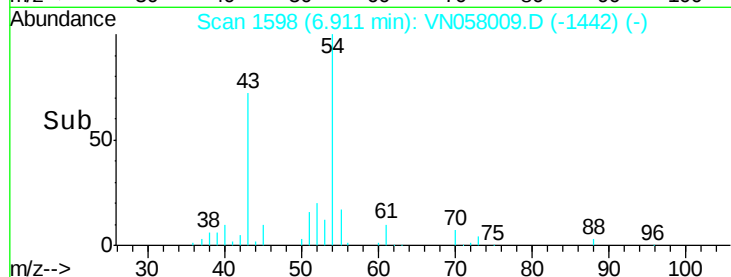
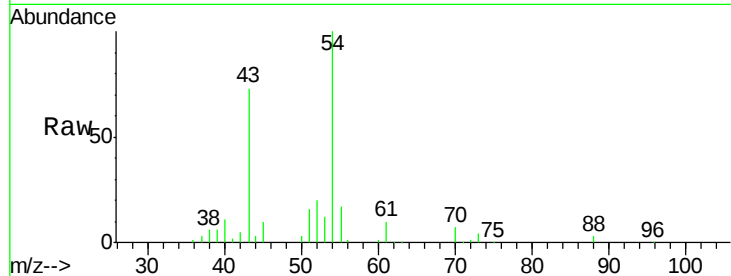
#43
Ethyl Acetate
Concen: 21.429 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VN058009.D
Acq: 13 Sep 2019 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBS01

Tot Ion: 43 Resp: 135746
Ion Ratio Lower Upper
43 100
45 11.7 5.4 8.0#

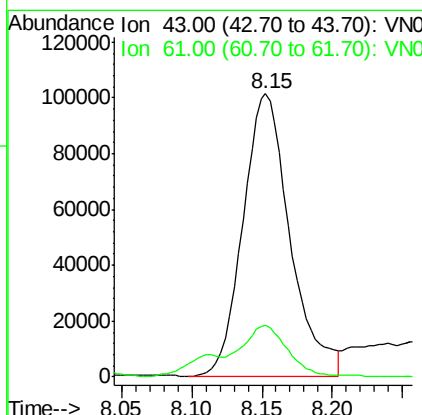
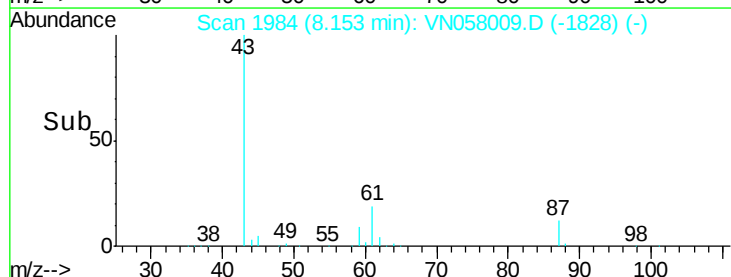
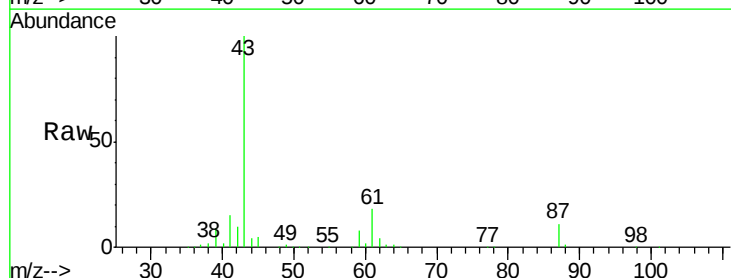
Manual Integrations
APPROVED

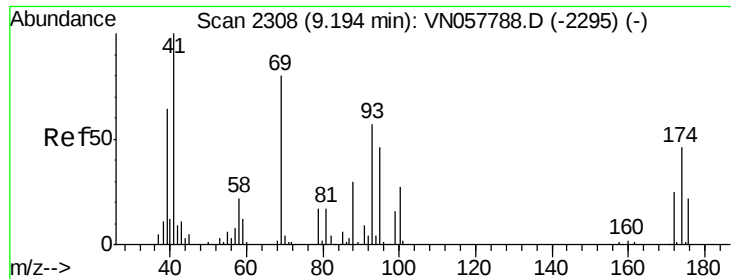
MMDadoda
9/16/2019 2:46:45 PM



#44
Isopropyl Acetate
Concen: 21.352 ug/l
RT: 8.15 min Scan# 1984
Delta R.T. 0.00 min
Lab File: VN058009.D
Acq: 13 Sep 2019 11:40

Tgt Ion: 43 Resp: 235825
Ion Ratio Lower Upper
43 100
61 17.0 0.1 0.1#





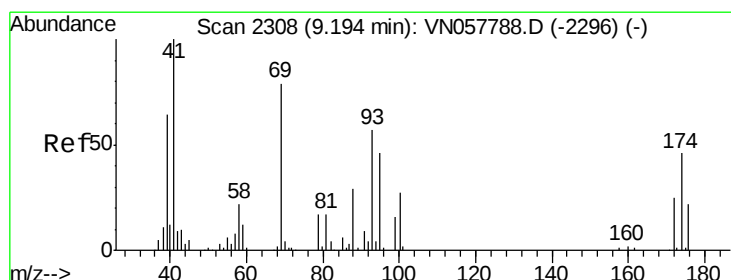
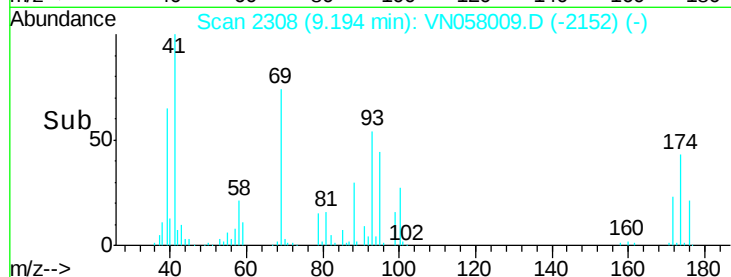
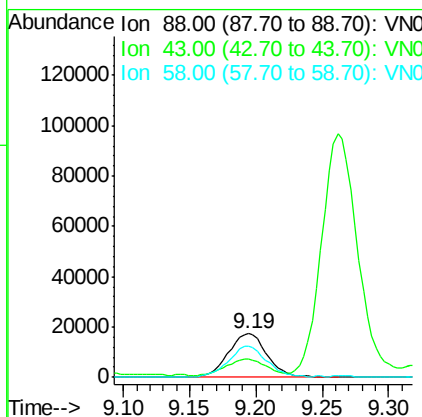
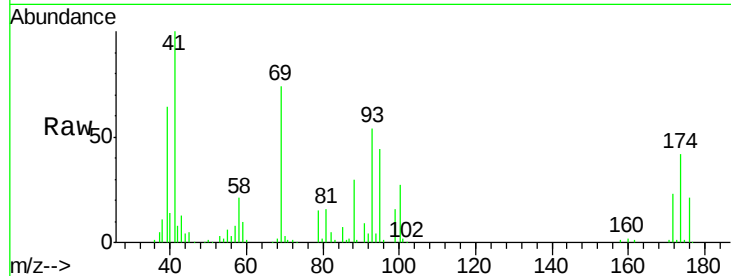
#45
 1,4-Dioxane
 Concen: 406.204 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN058009.D
 Acq: 13 Sep 2019 11:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBS01

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	37.6	28.2	42.4	
58	70.9	58.5	87.7	

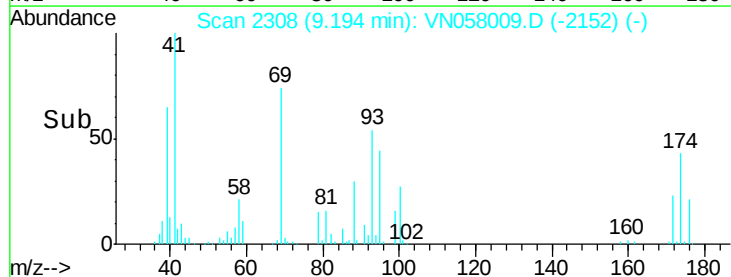
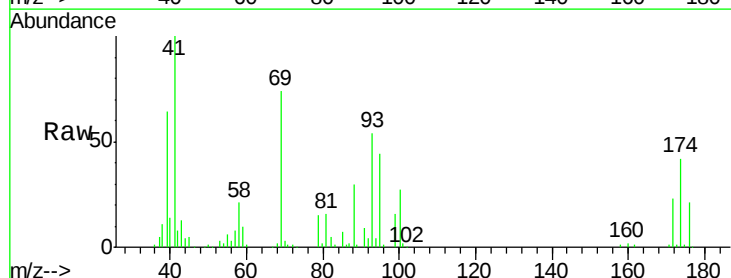
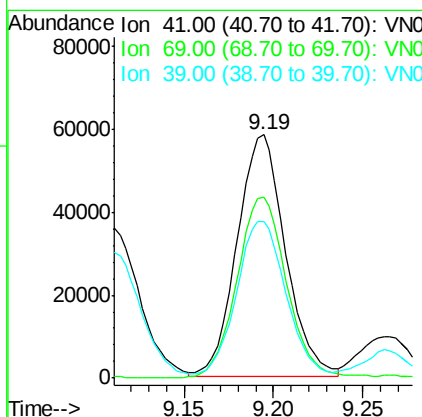
Manual Integrations
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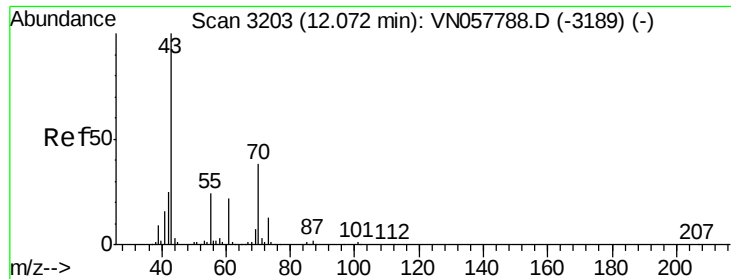
MMDadoda
 9/16/2019 2:46:45 PM



#46
 Methyl methacrylate
 Concen: 20.546 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN058009.D
 Acq: 13 Sep 2019 11:40

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	75.4	39.6	119.0	
39	64.0	31.9	95.7	





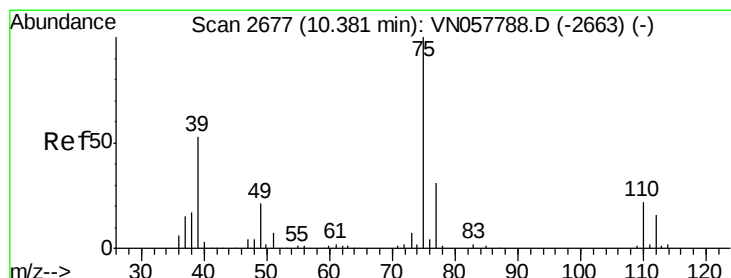
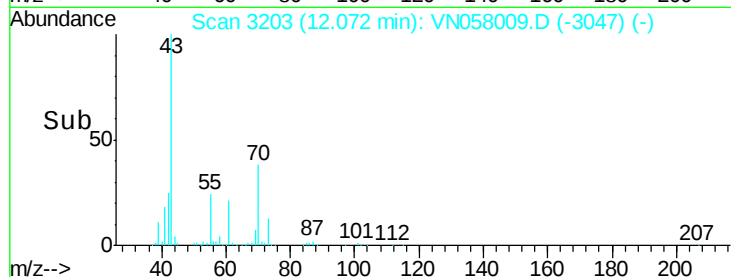
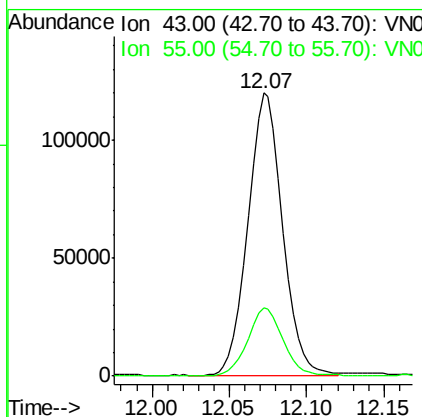
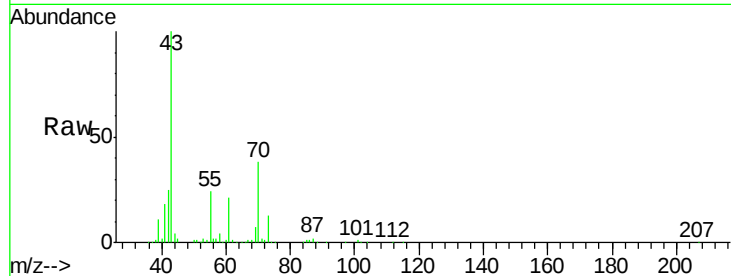
#47
n-amyl Acetate
Concen: 18.343 ug/l
RT: 12.07 min Scan# 3203
Delta R.T. 0.00 min
Lab File: VN058009.D
Acq: 13 Sep 2019 11:40

Instrument :
MSVOA_N
ClientSampled :
VN0914WBS01

Tot Ion	43	Resp	186110
Ion Ratio	43	100	
Lower	55	24.4	18.3
Upper			27.5

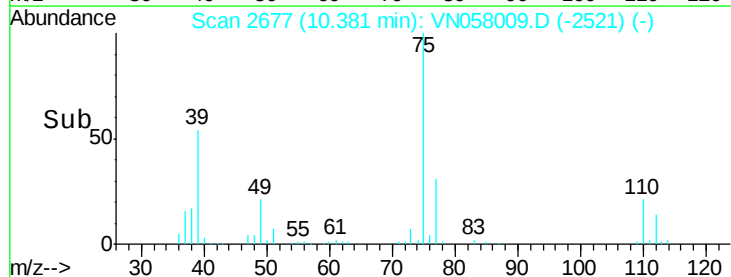
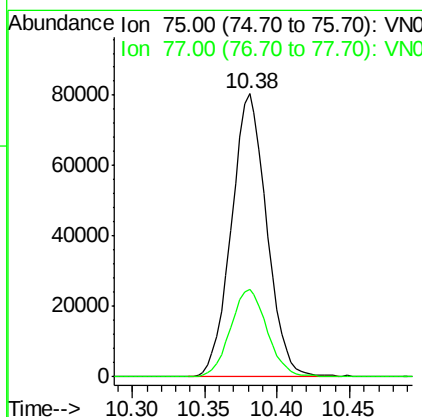
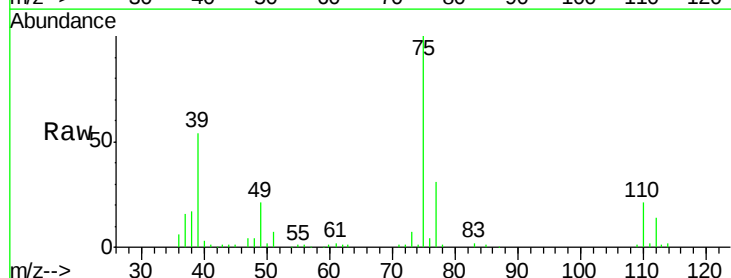
Manual Integrations
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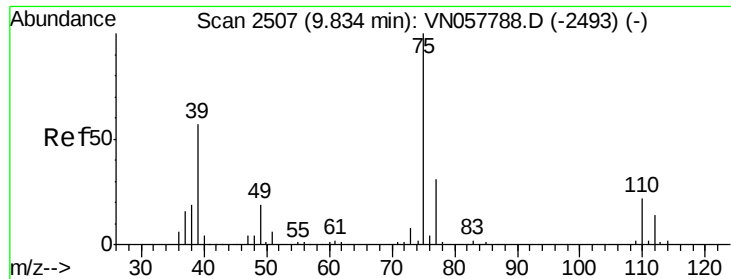
MMDadoda
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#48
t-1,3-Dichloropropene
Concen: 18.180 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN058009.D
Acq: 13 Sep 2019 11:40

Tgt Ion	75	Resp	135985
Ion Ratio	75	100	
Lower	77	30.7	24.9
Upper			37.3





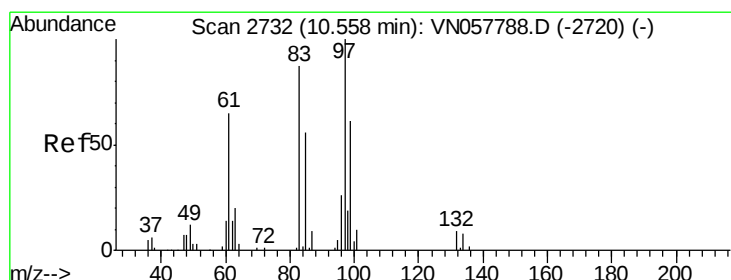
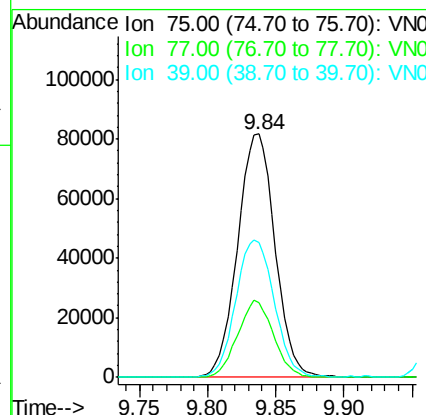
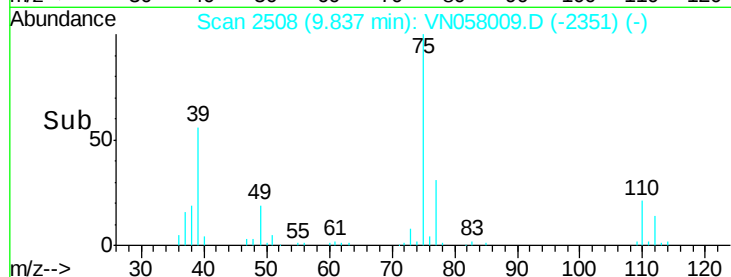
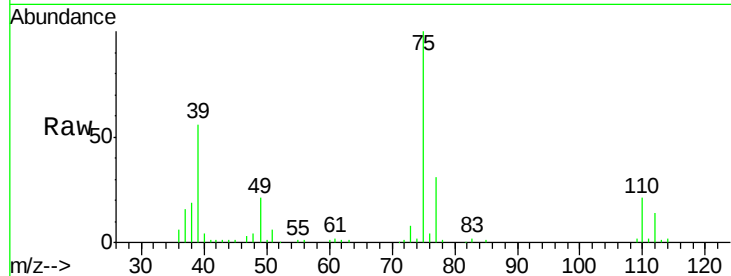
#49
 cis-1,3-Dichloropropene
 Concen: 18.534 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. 0.00 min
 Lab File: VN058009.D
 Acq: 13 Sep 2019 11:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBS01

Tot Ion:	75	Resp:	155550
Ion Ratio		Lower	Upper
75	100		
77	30.6	24.6	36.8
39	55.2	45.8	68.8

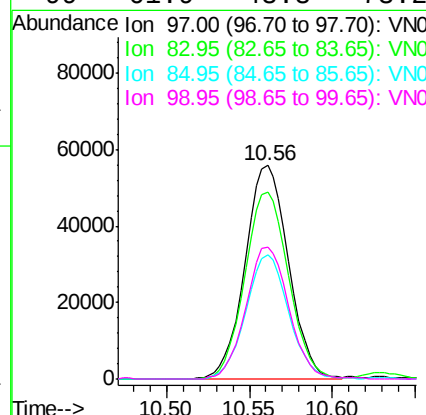
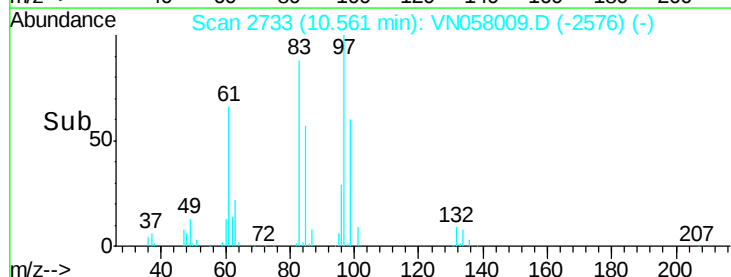
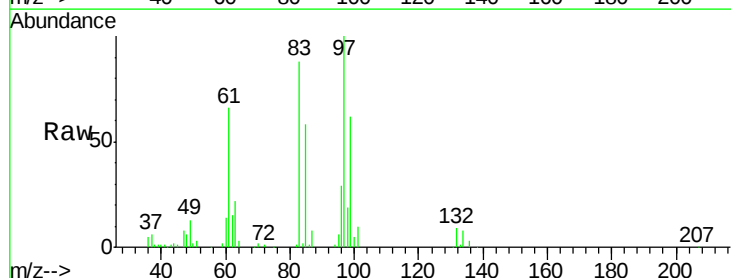
Manual Integrations
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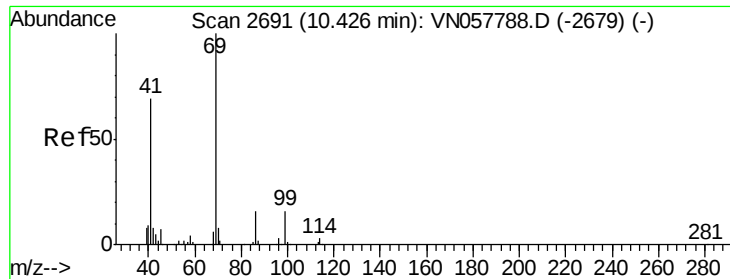
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#50
 1,1,2-Trichloroethane
 Concen: 20.165 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN058009.D
 Acq: 13 Sep 2019 11:40

Tgt Ion:	97	Resp:	101939
Ion Ratio		Lower	Upper
97	100		
83	87.6	69.4	104.2
85	57.9	45.0	67.6
99	61.9	48.8	73.2





#51

Ethyl methacrylate

Concen: 18.809 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN058009.D

Acq: 13 Sep 2019 11:40

Instrument :

MSVOA_N

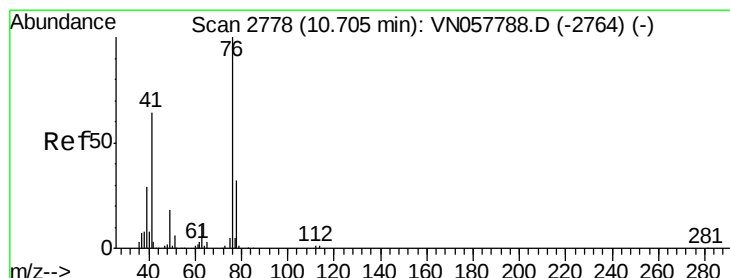
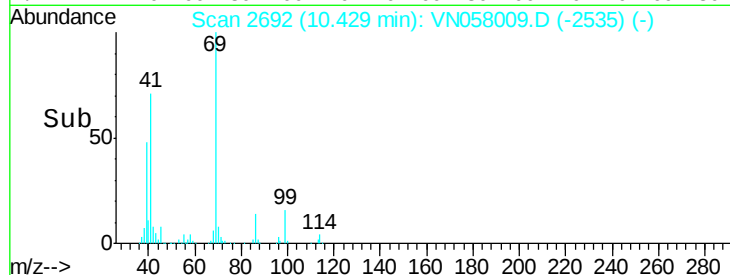
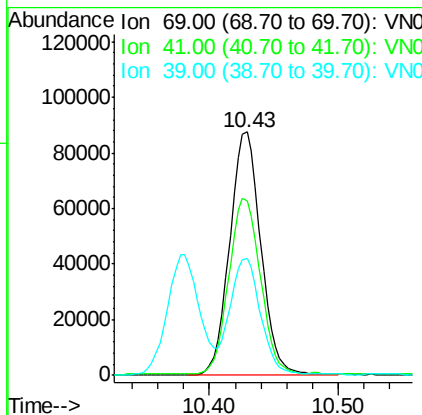
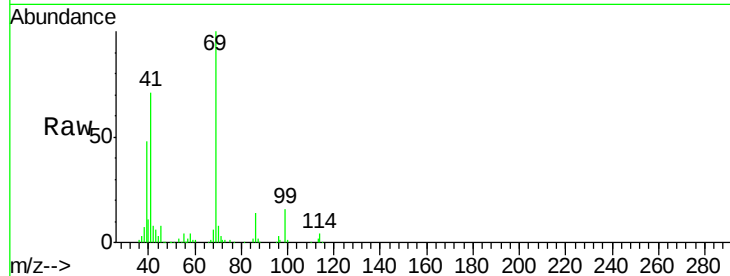
ClientSampleId :

VN0914WBS01

Tot Ion:	69	Resp:	147428
Ion	Ratio	Lower	Upper
69	100		
41	70.9	34.5	103.5
39	47.6	22.4	67.3

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 20.278 ug/l

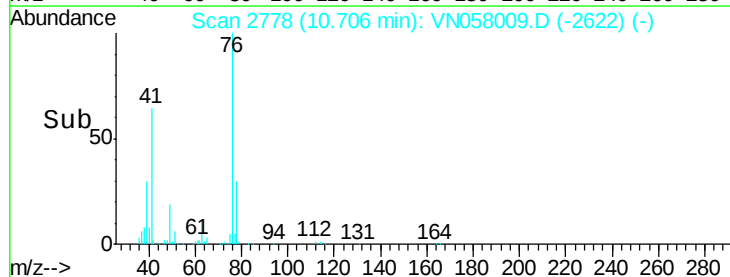
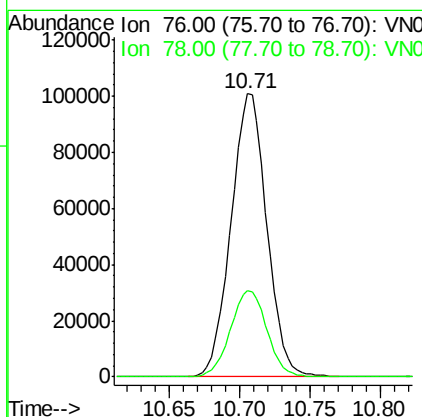
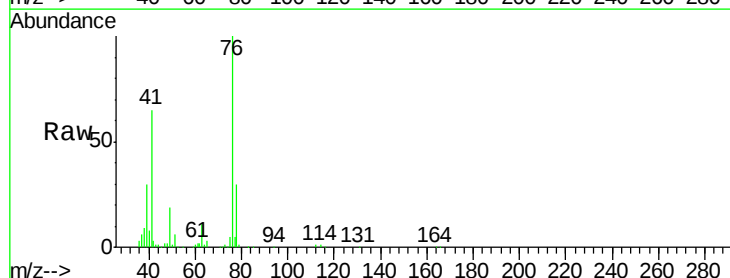
RT: 10.71 min Scan# 2778

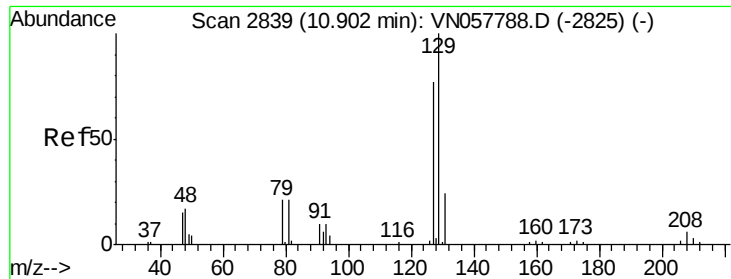
Delta R.T. 0.00 min

Lab File: VN058009.D

Acq: 13 Sep 2019 11:40

Tgt Ion:	76	Resp:	179266
Ion	Ratio	Lower	Upper
76	100		
78	31.1	0.0	63.8





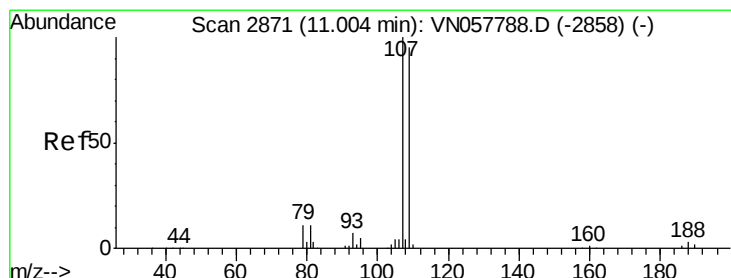
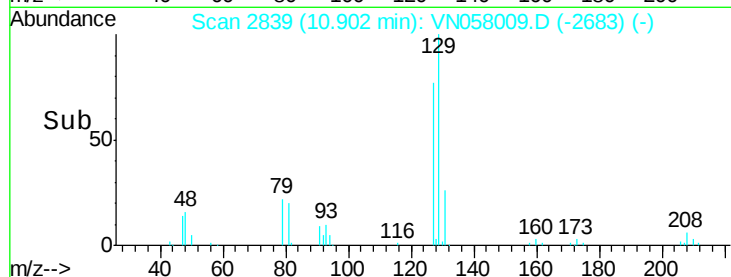
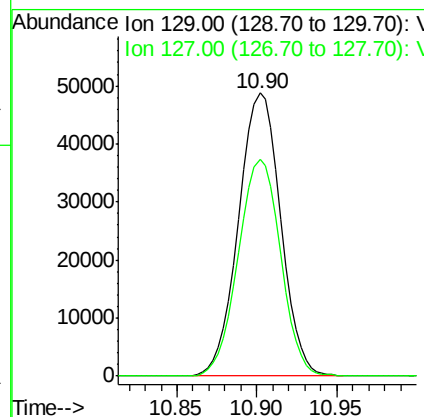
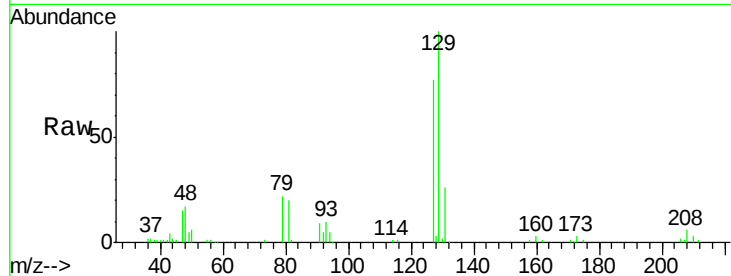
#53
 Dibromochloromethane
 Concen: 17.547 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. 0.00 min
 Lab File: VN058009.D
 Acq: 13 Sep 2019 11:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBS01

Tot Ion:129 Resp: 87603
 Ion Ratio Lower Upper
 129 100
 127 77.2 38.8 116.3

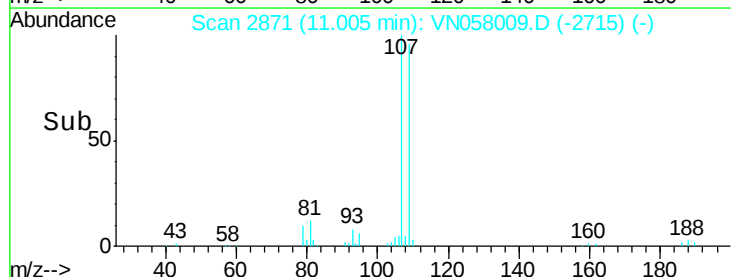
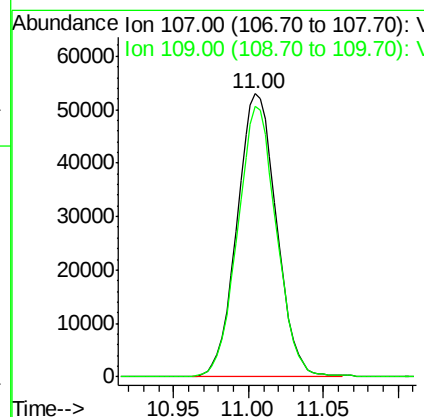
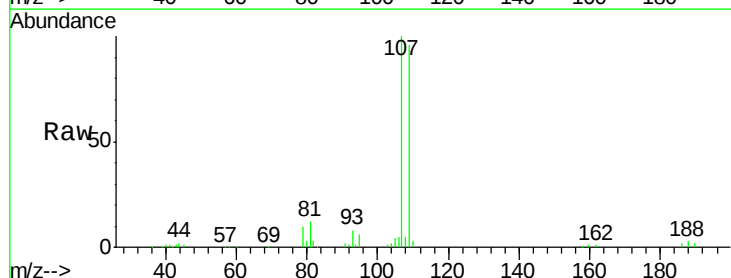
Manual Integrations
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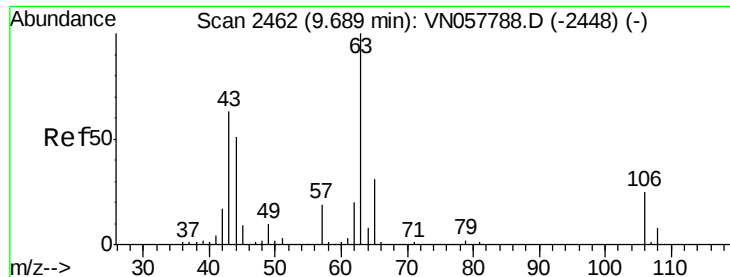
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 9/16/2019 2:46:45 PM



#54
 1,2-Dibromoethane
 Concen: 19.321 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN058009.D
 Acq: 13 Sep 2019 11:40

Tgt Ion:107 Resp: 97179
 Ion Ratio Lower Upper
 107 100
 109 94.0 75.4 113.0





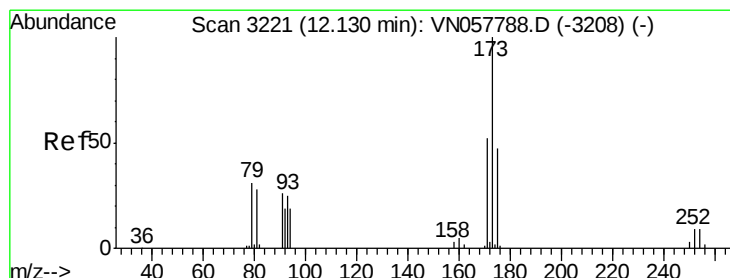
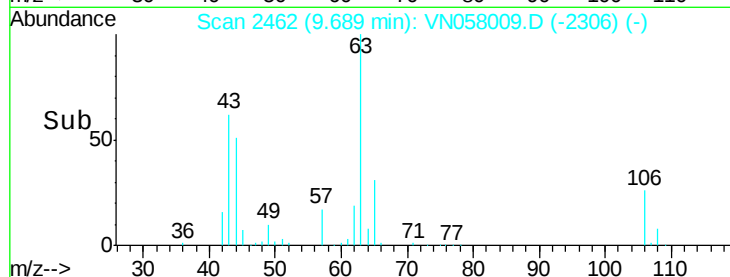
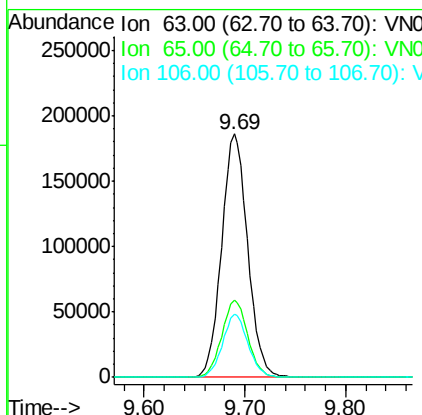
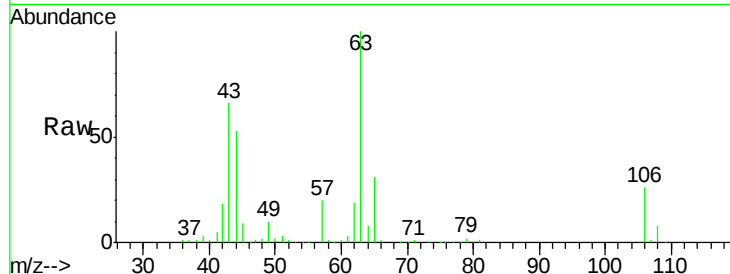
#55
2-Chloroethyl vinyl ether
Concen: 90.119 ug/l
RT: 9.69 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VN058009.D
Acq: 13 Sep 2019 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.7	25.0	37.6
106	25.3	19.8	29.8

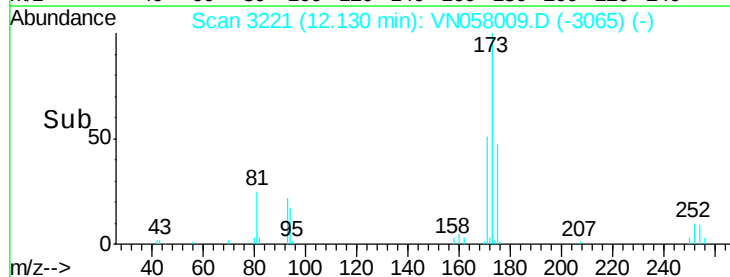
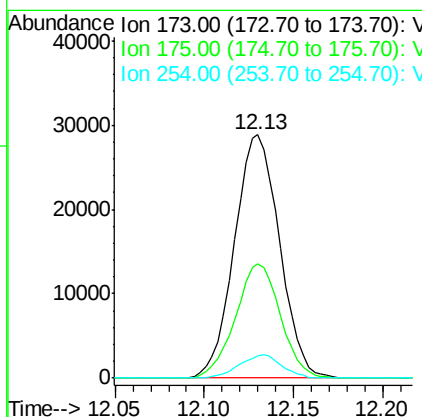
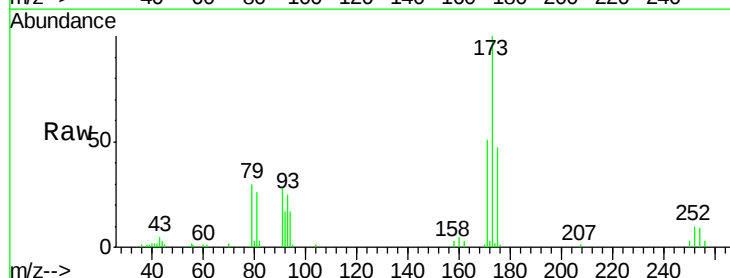
Manual Integrations
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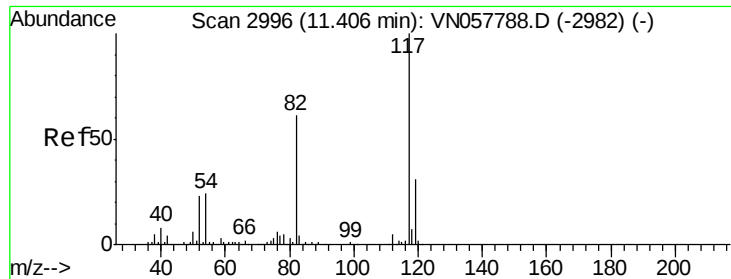
MMDadoda
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#56
Bromoform
Concen: 16.430 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN058009.D
Acq: 13 Sep 2019 11:40

Tgt Ion	Ratio	Lower	Upper
173	100		
175	46.7	38.4	57.6
254	9.0	6.9	10.3





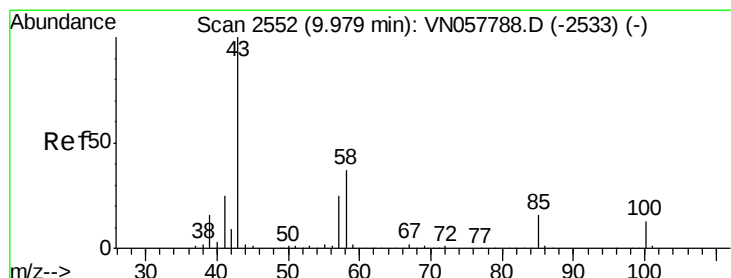
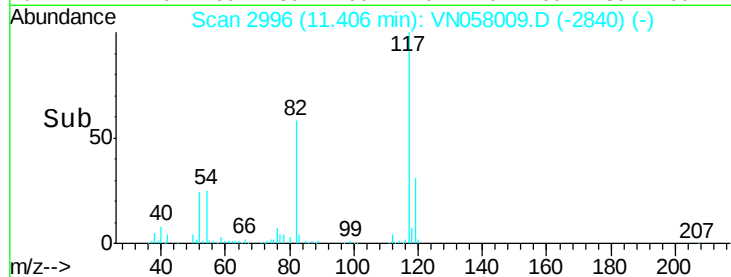
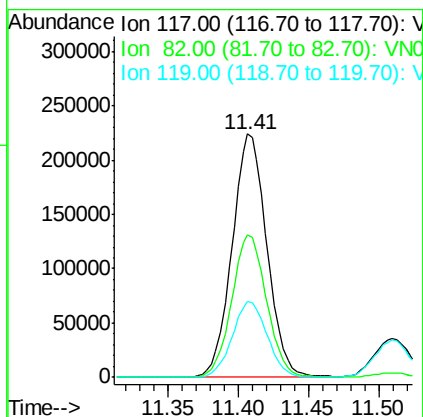
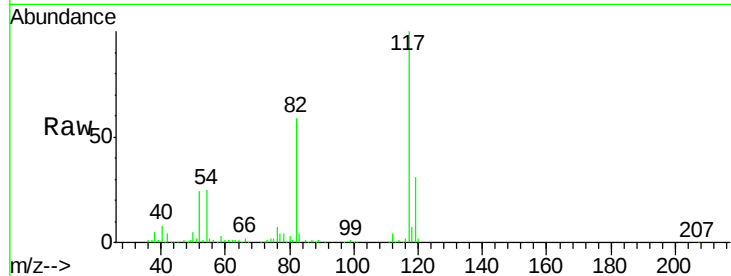
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058009.D
Acq: 13 Sep 2019 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	386609		
82	58.8	47.6	71.4	
119	31.3	25.4	38.2	

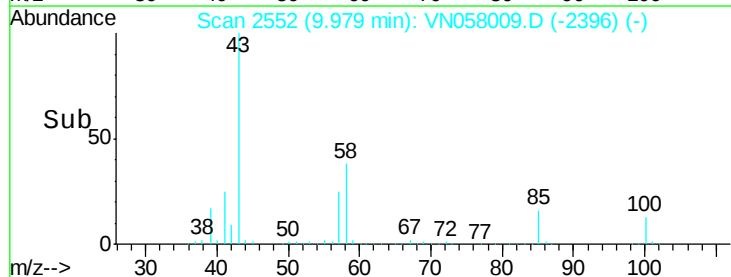
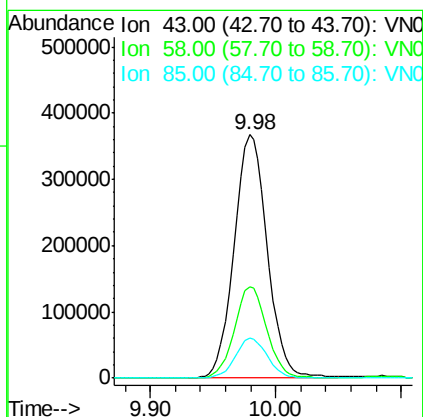
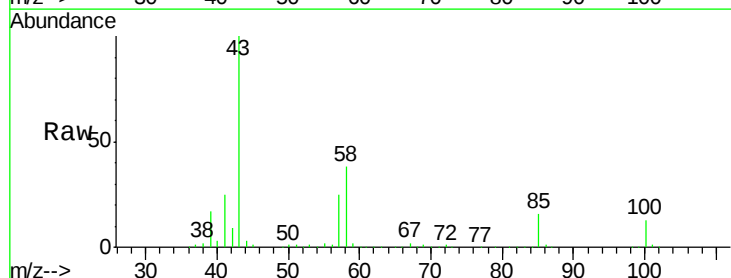
Manual Integrations
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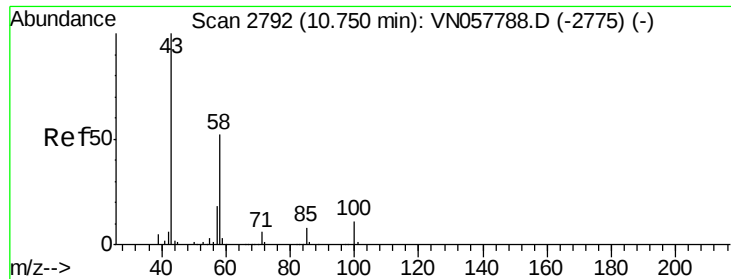
MMDadoda
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#58
4-Methyl-2-Pentanone
Concen: 112.161 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. 0.00 min
Lab File: VN058009.D
Acq: 13 Sep 2019 11:40

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	672457		
58	37.0	29.4	44.0	
85	16.0	12.9	19.3	





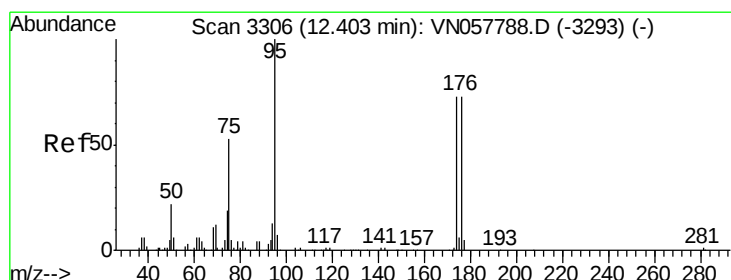
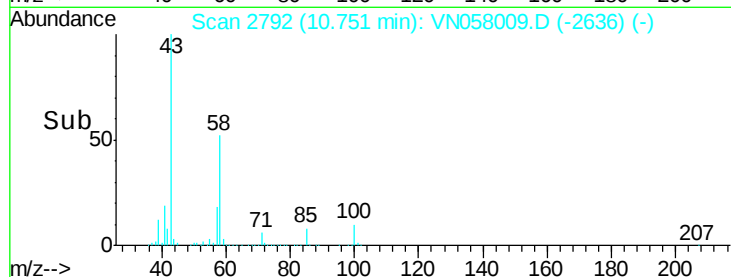
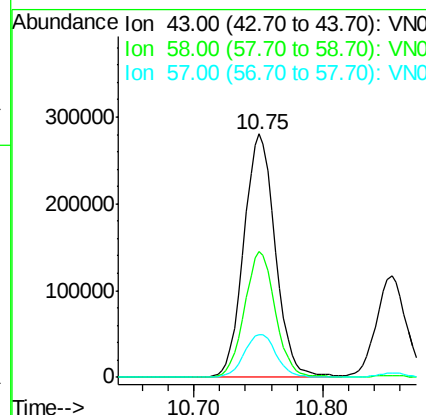
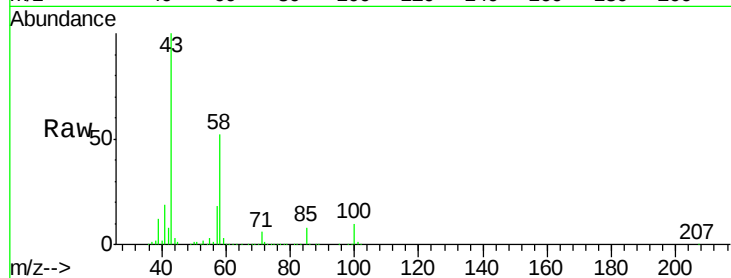
#59
2-Hexanone
Concen: 105.379 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN058009.D
Acq: 13 Sep 2019 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	50.9	40.6	61.0
57	18.2	14.5	21.7

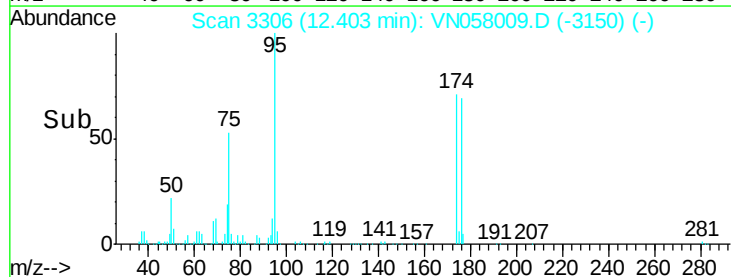
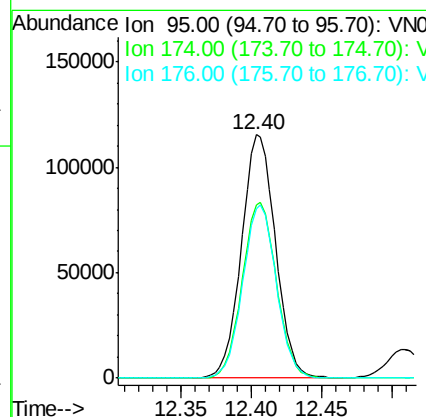
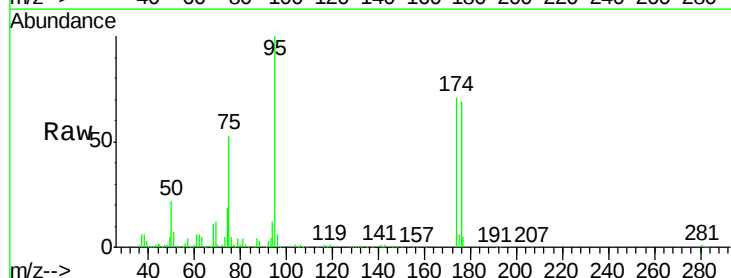
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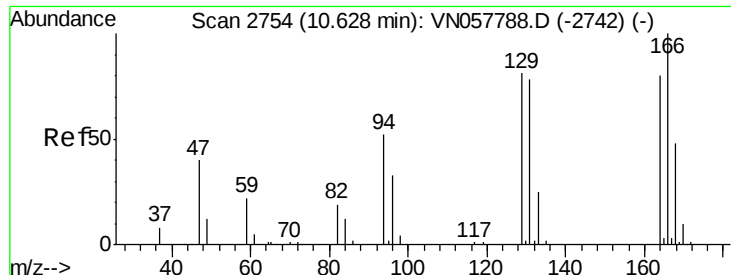
MMDadoda
9/16/2019 2:46:45 PM



#60
4-Bromofluorobenzene
Concen: 29.601 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN058009.D
Acq: 13 Sep 2019 11:40

Tgt Ion	Ratio	Lower	Upper
95	100		
174	72.0	59.4	89.0
176	70.0	57.4	86.0





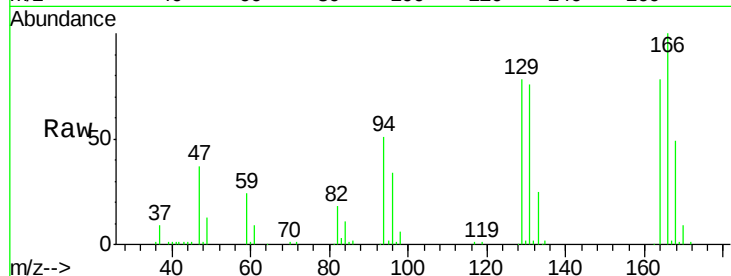
#61
Tetrachloroethene
Concen: 20.449 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN058009.D
Acq: 13 Sep 2019 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBS01

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
166	127.5	99.6	149.4	
129	99.5	80.9	121.3	
131	96.8	77.2	115.8	

Manual Integrations
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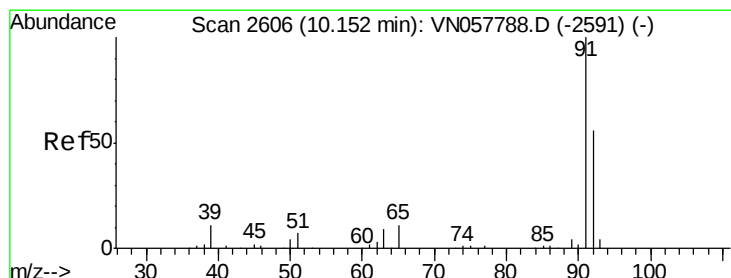
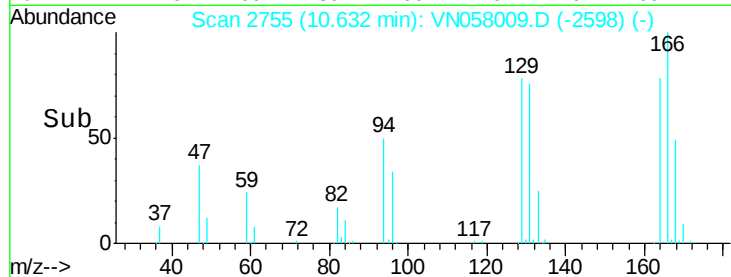
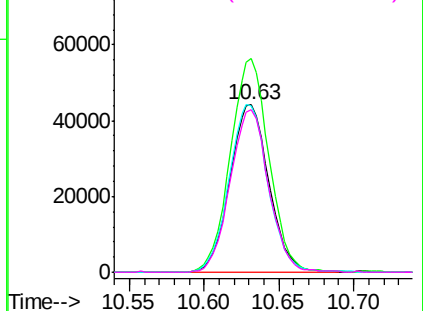


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

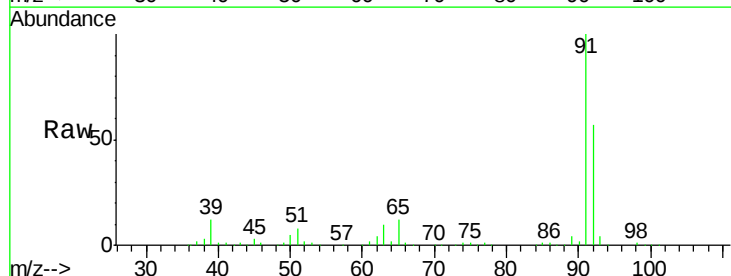
Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



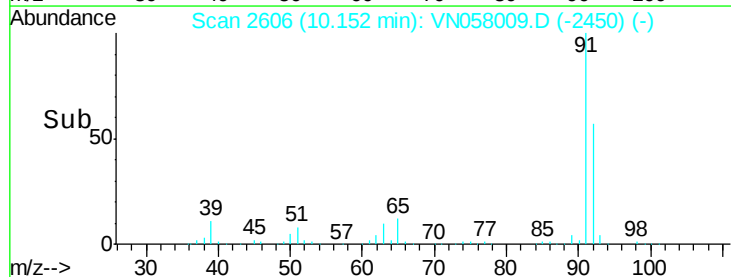
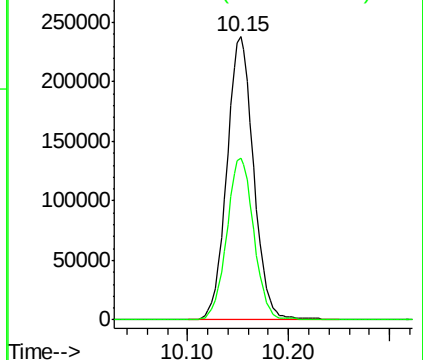
#62
Toluene
Concen: 20.561 ug/l
RT: 10.15 min Scan# 2606
Delta R.T. 0.00 min
Lab File: VN058009.D
Acq: 13 Sep 2019 11:40

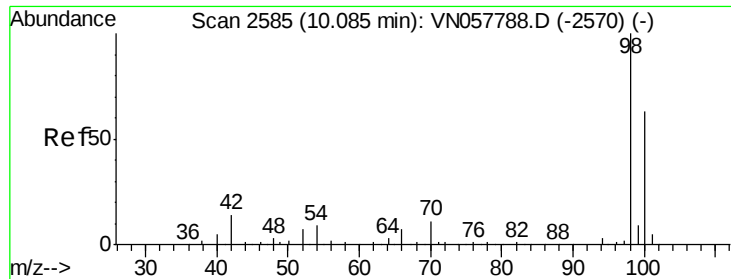
Tgt Ion	Ratio	Resp	Lower	Upper
91	100			
92	57.8	44.9	67.3	



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





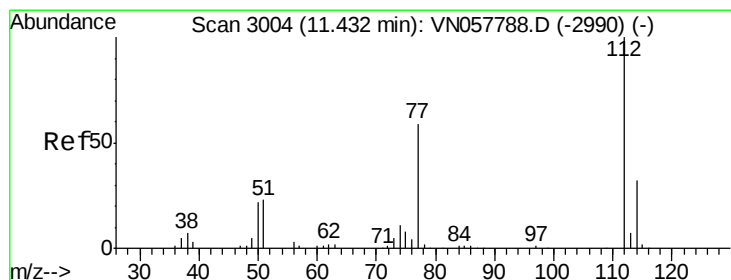
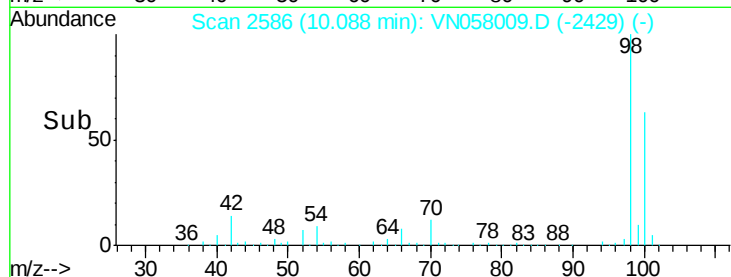
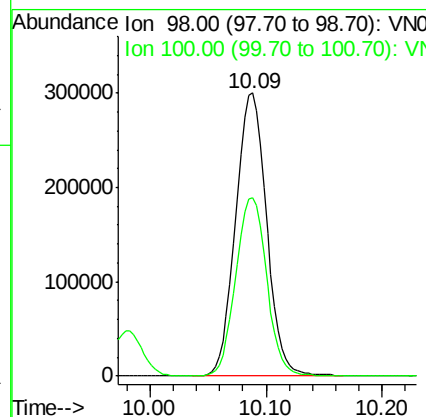
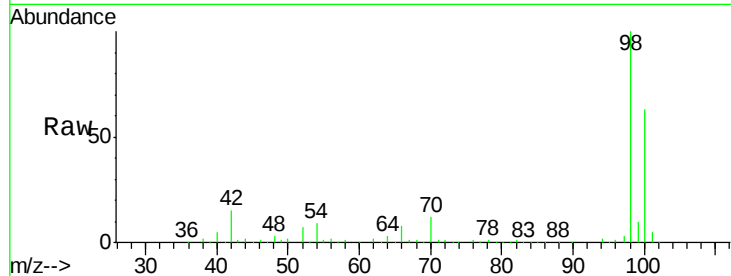
#63
Toluene-d8
Concen: 29.930 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN058009.D
Acq: 13 Sep 2019 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBS01

Tot Ion: 98 Resp: 555395
Ion Ratio Lower Upper
98 100
100 62.7 50.3 75.5

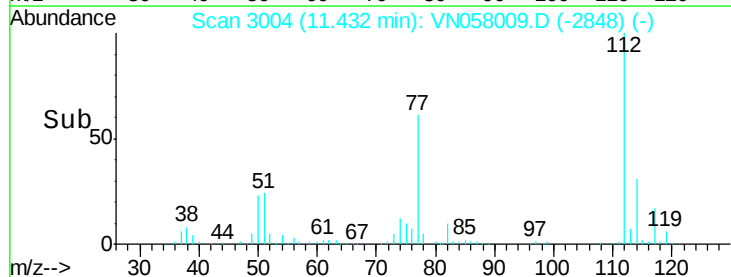
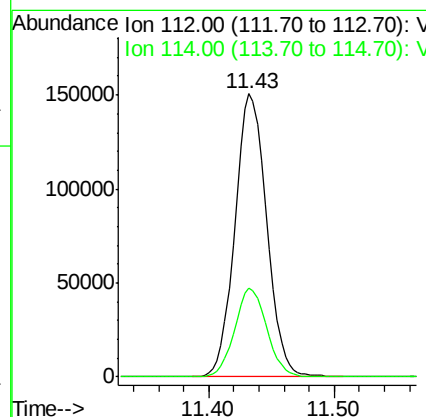
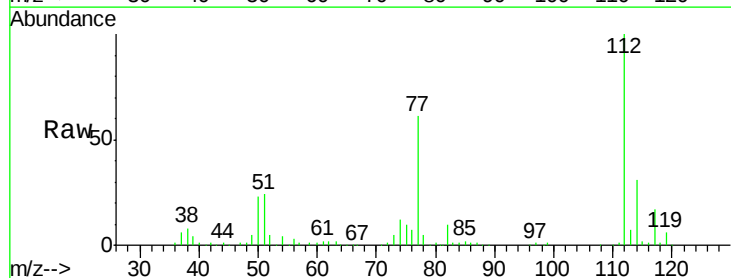
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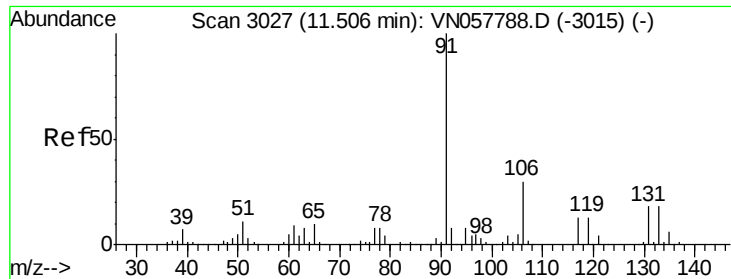
MMDadoda
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#64
Chlorobenzene
Concen: 19.948 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN058009.D
Acq: 13 Sep 2019 11:40

Tgt Ion: 112 Resp: 264906
Ion Ratio Lower Upper
112 100
114 31.2 25.4 38.0





#65

1,1,1,2-Tetrachloroethane

Concen: 19.343 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058009.D

Acq: 13 Sep 2019 11:40

Instrument :

MSVOA_N

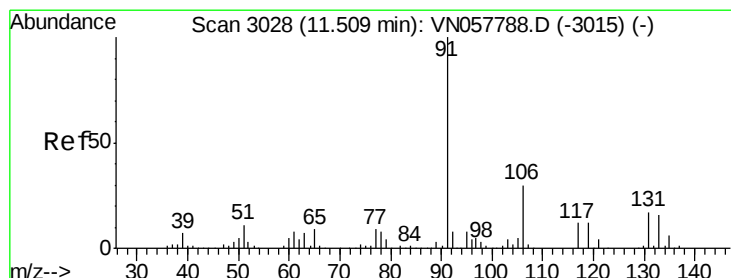
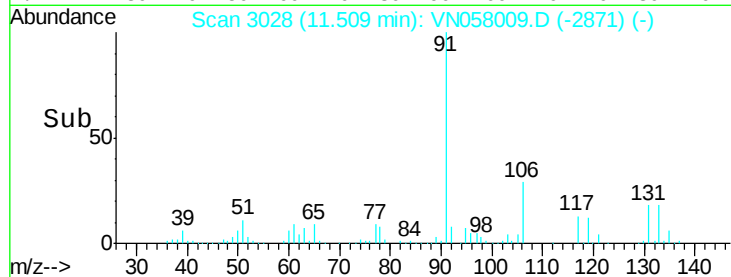
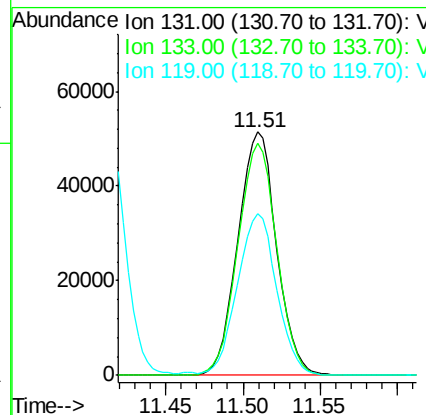
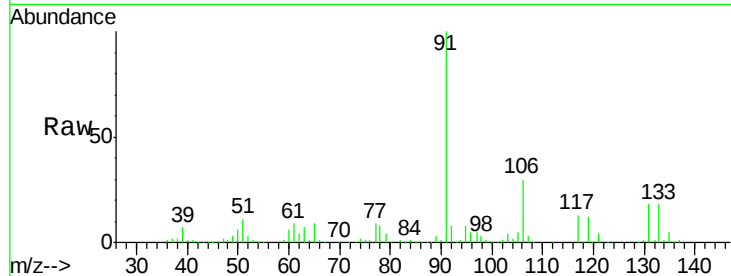
ClientSampleId :

VN0914WBS01

Tot Ion	Ratio	Lower	Upper
131	100		
133	96.0	0.0	189.2
119	67.7	0.0	136.4

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#66

Ethyl Benzene

Concen: 20.642 ug/l

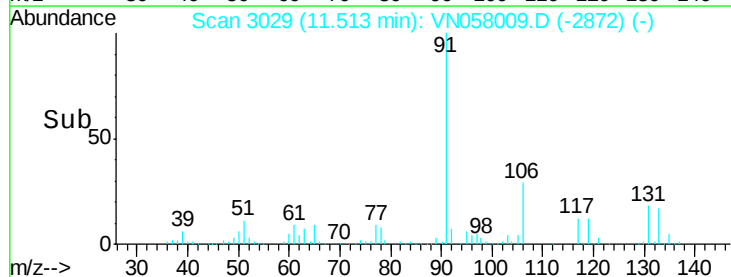
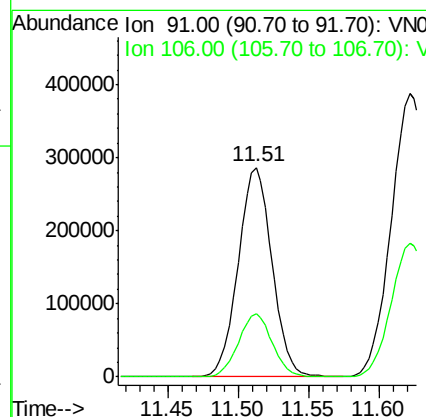
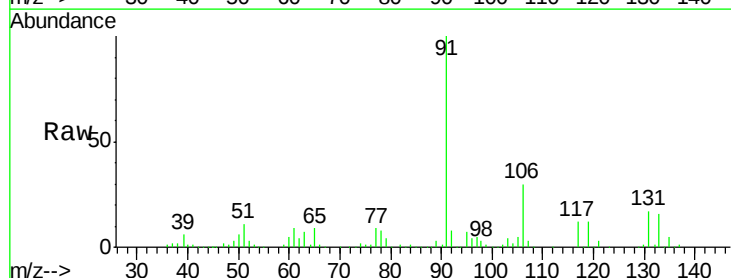
RT: 11.51 min Scan# 3029

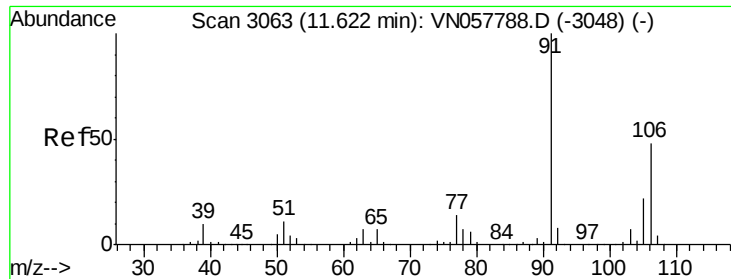
Delta R.T. 0.00 min

Lab File: VN058009.D

Acq: 13 Sep 2019 11:40

Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.9	24.0	36.0





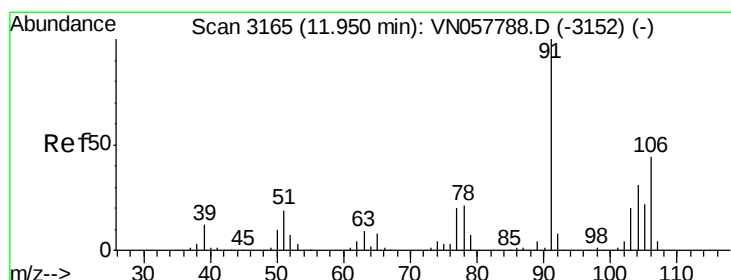
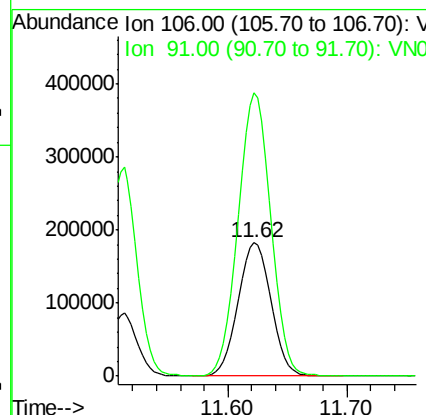
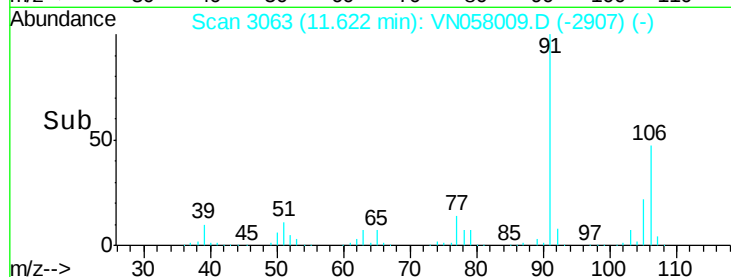
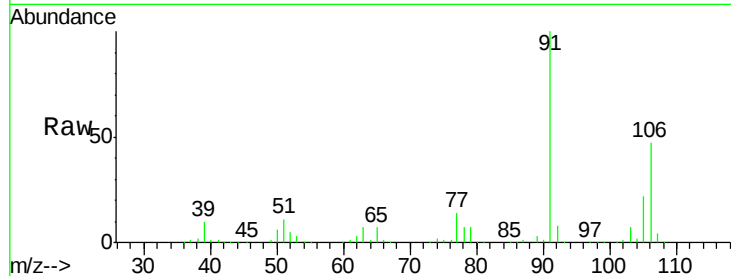
#67
m/p-Xvlenes
Concen: 39.480 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN058009.D
Acq: 13 Sep 2019 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBS01

Tot Ion:106 Resp: 352053
Ion Ratio Lower Upper
106 100
91 210.4 166.1 249.1

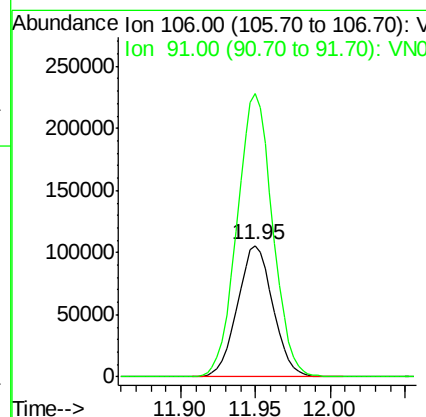
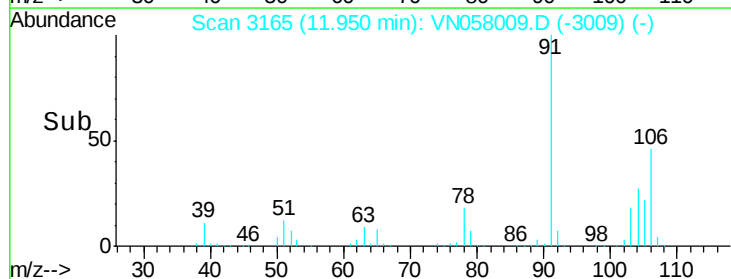
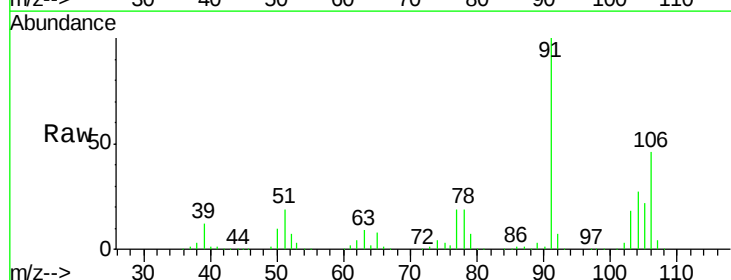
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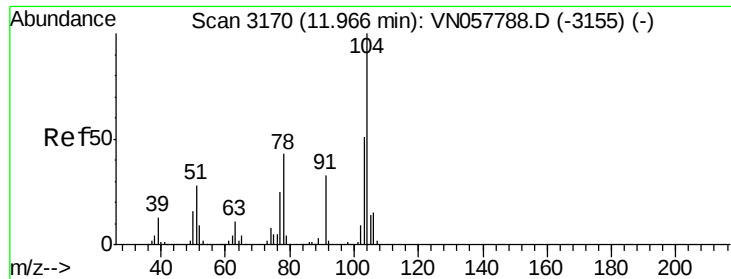
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#68
o-Xylene
Concen: 19.989 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058009.D
Acq: 13 Sep 2019 11:40

Tgt Ion:106 Resp: 174622
Ion Ratio Lower Upper
106 100
91 215.9 111.5 334.4





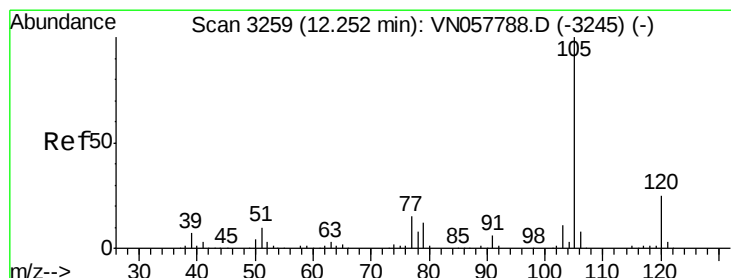
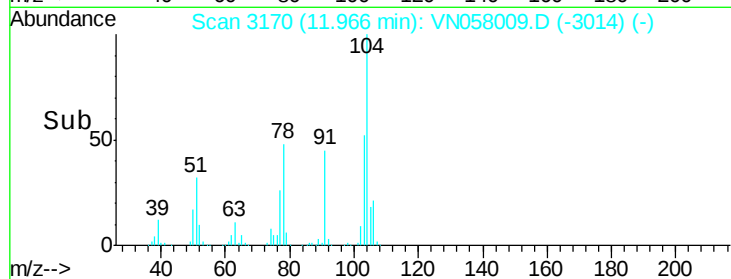
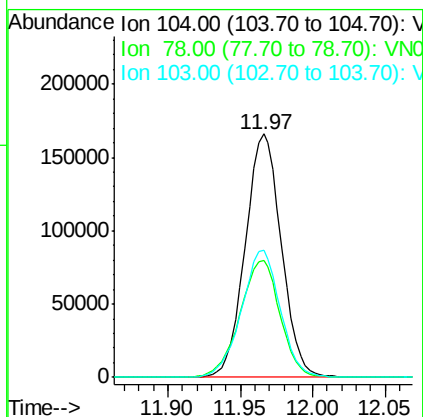
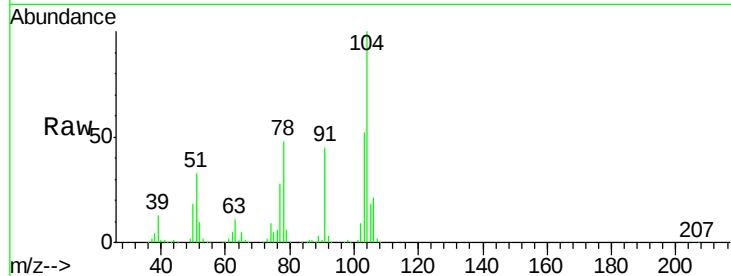
#69
Stvrene
Concen: 19.293 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058009.D
Acq: 13 Sep 2019 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBS01

Tot Ion	Ratio	Resp	Lower	Upper
104	100	287356		
78	53.5		41.5	62.3
103	56.0		44.8	67.2

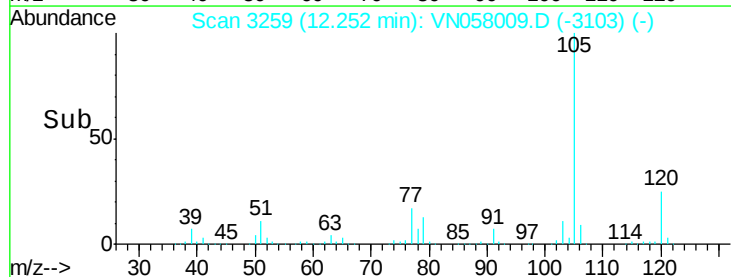
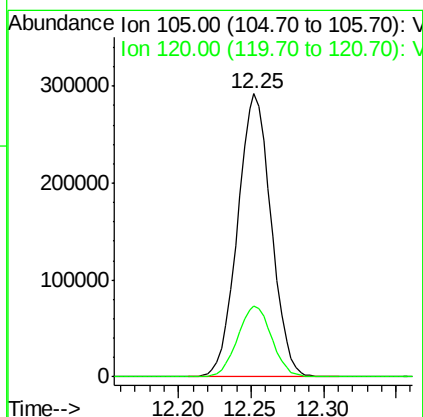
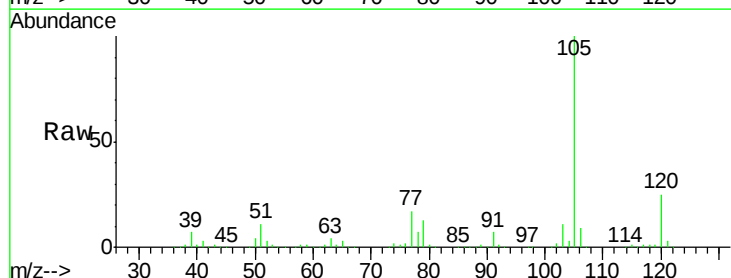
Manual Integrations
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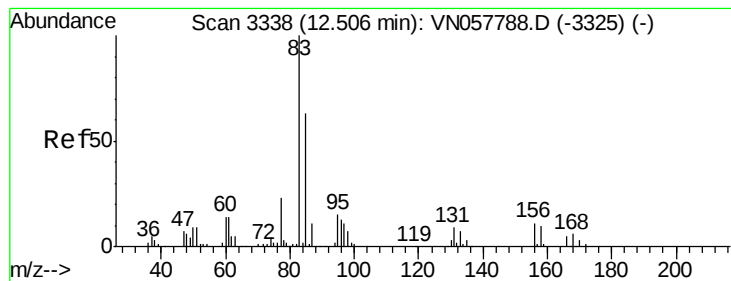
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#70
Isopropylbenzene
Concen: 20.335 ug/l
RT: 12.25 min Scan# 3259
Delta R.T. 0.00 min
Lab File: VN058009.D
Acq: 13 Sep 2019 11:40

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	469650		
120	25.3		17.6	32.6





#71

1,1,2,2-Tetrachloroethane

Concen: 20.708 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN058009.D

Acq: 13 Sep 2019 11:40

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBS01

Tot Ion: 83 Resp: 149468

Ion Ratio Lower Upper

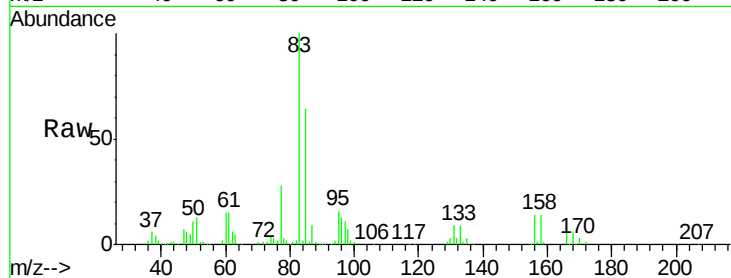
83 100

131 9.4 4.9 14.6

85 63.1 32.1 96.3

Manual Integrations
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Abundance Ion 83.00 (82.70 to 83.70): VN057788.D (-3325) (-)

Ion 131.00 (130.70 to 131.70): VN057788.D (-3325) (-)

Ion 85.00 (84.70 to 85.70): VN057788.D (-3325) (-)

12.51

80000

60000

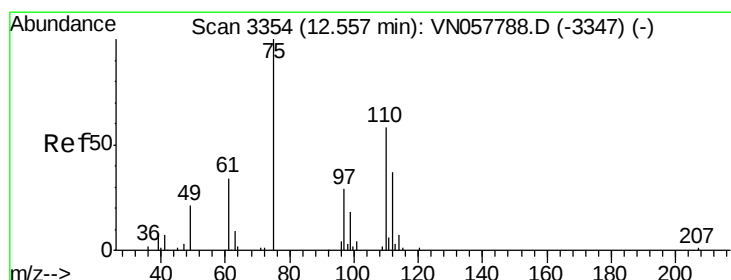
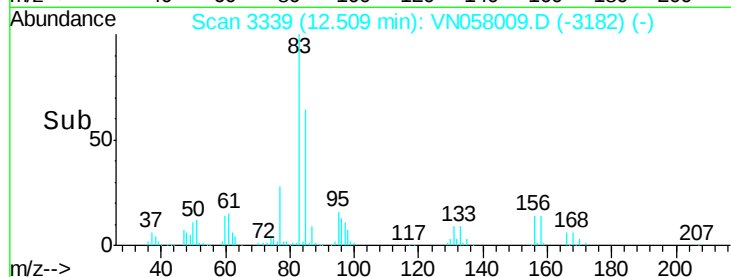
40000

20000

0

12.45 12.50 12.55

Time-->



#72

1,2,3-Trichloropropane

Concen: 19.328 ug/l m

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN058009.D

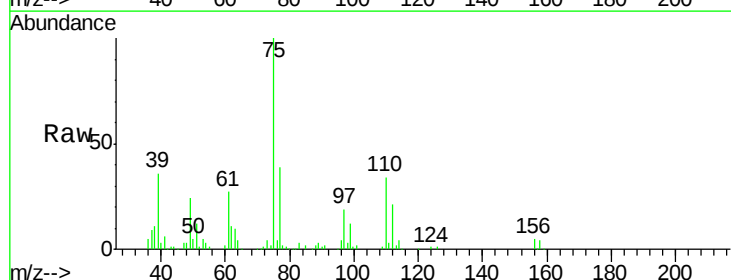
Acq: 13 Sep 2019 11:40

Tgt Ion: 75 Resp: 123827

Ion Ratio Lower Upper

75 100

77 191.8 0.0 351.6



Abundance Ion 75.00 (74.70 to 75.70): VN057788.D (-3347) (-)

Ion 77.00 (76.70 to 77.70): VN057788.D (-3347) (-)

12.56

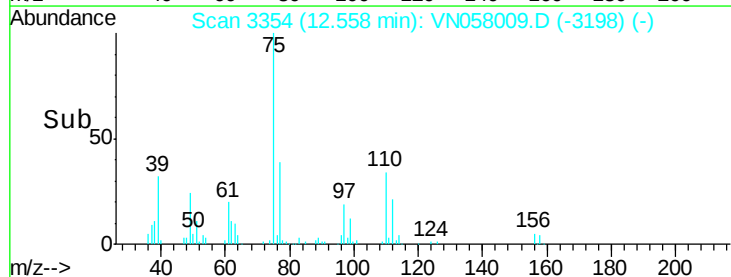
100000

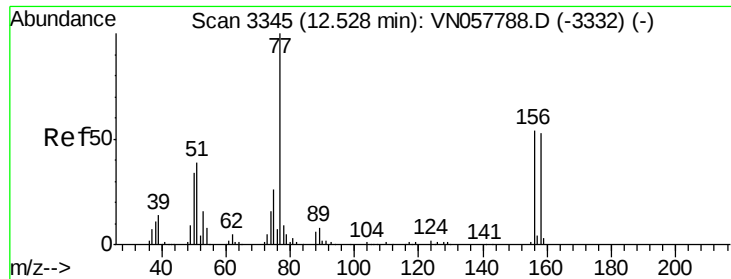
50000

0

12.55 12.60

Time-->





#73

Bromobenzene

Concen: 19.562 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058009.D

Acq: 13 Sep 2019 11:40

Instrument :

MSVOA_N

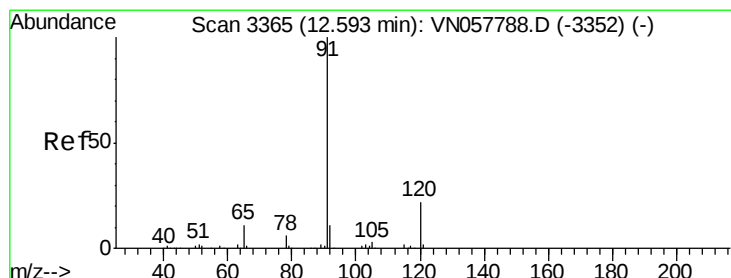
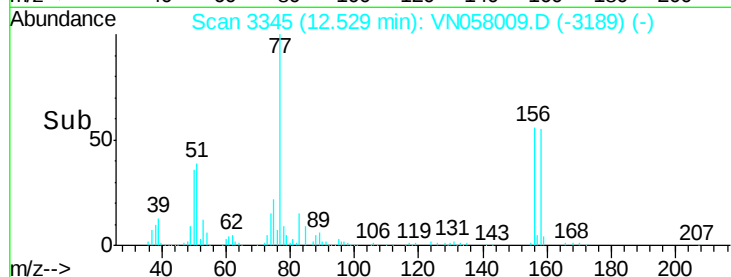
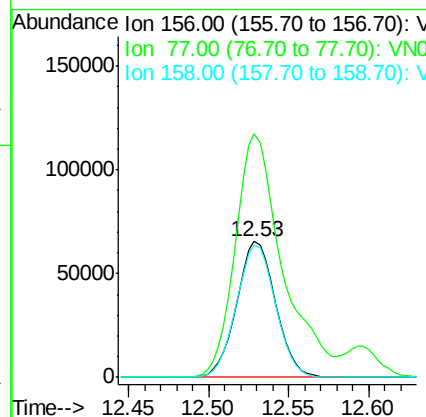
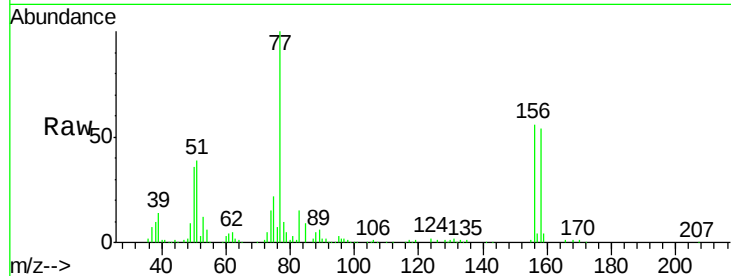
ClientSampleId :

VN0914WBS01

Tot Ion:	156	Resp:	108162
Ion Ratio	Lower	Upper	
156	100		
77	219.6	0.0	446.6
158	98.1	0.0	197.2

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#74

n-propylbenzene

Concen: 21.012 ug/l

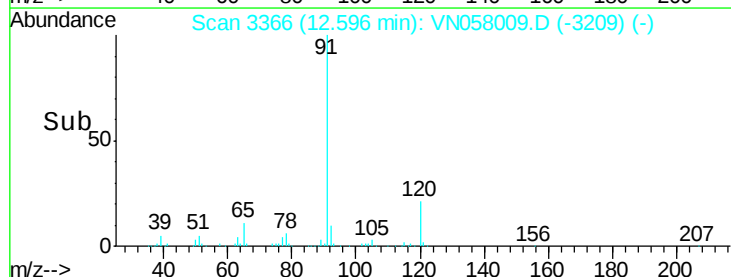
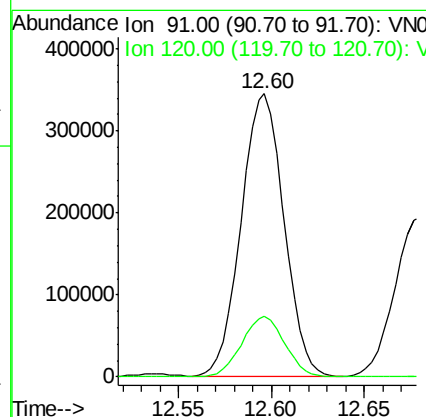
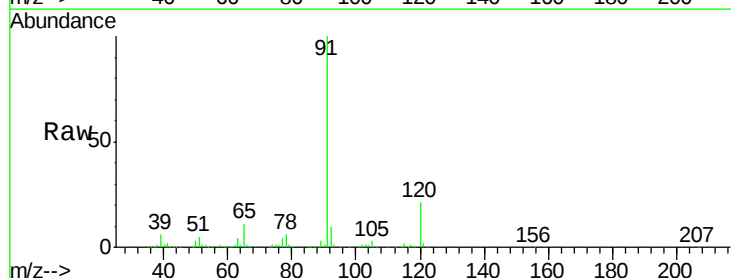
RT: 12.60 min Scan# 3366

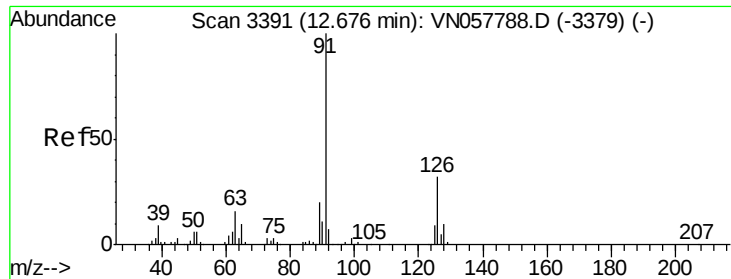
Delta R.T. 0.00 min

Lab File: VN058009.D

Acq: 13 Sep 2019 11:40

Tgt Ion:	91	Resp:	554449
Ion Ratio	Lower	Upper	
91	100		
120	21.4	0.0	43.4





#75

2-Chlorotoluene

Concen: 19.623 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN058009.D

Acq: 13 Sep 2019 11:40

Instrument :

MSVOA_N

ClientSampled :

VN0914WBS01

Tot Ion: 91 Resp: 322513

Ion Ratio Lower Upper

91 100

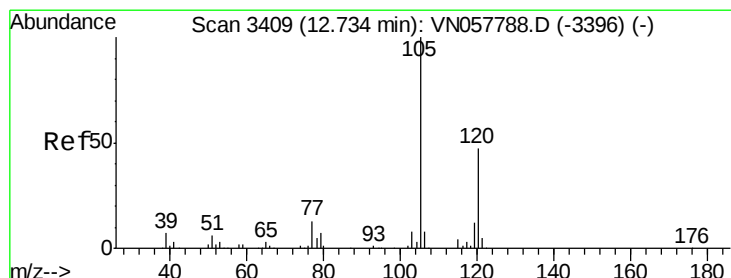
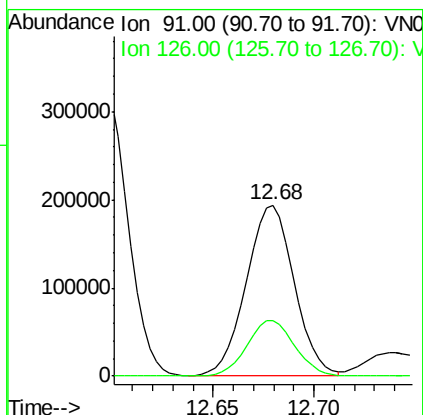
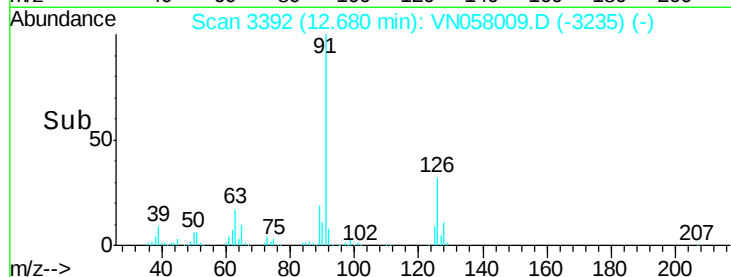
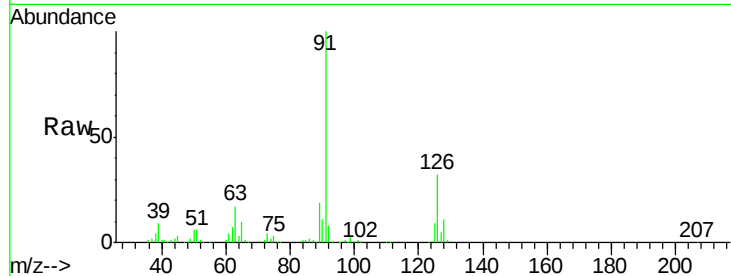
126 32.4 0.0 64.8

Manual Integrations

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#76

1,3,5-Trimethylbenzene

Concen: 20.188 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058009.D

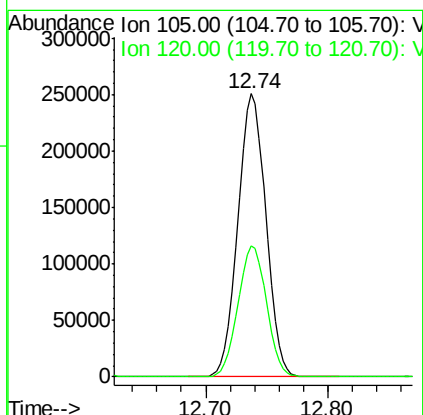
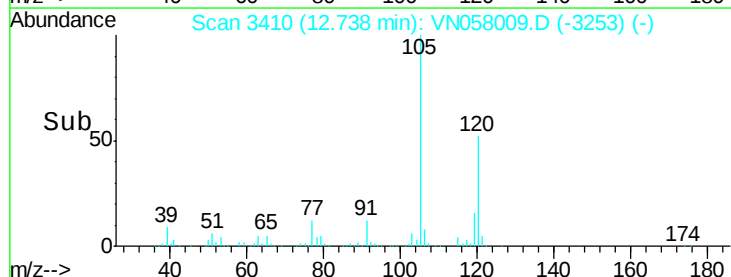
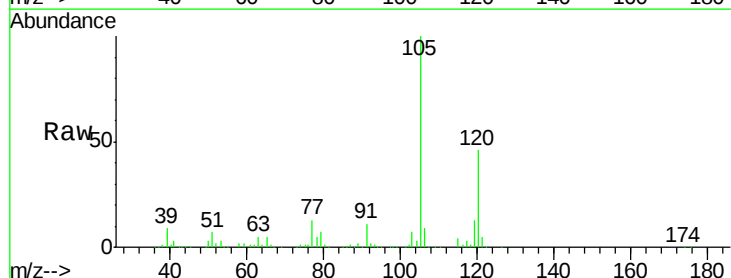
Acq: 13 Sep 2019 11:40

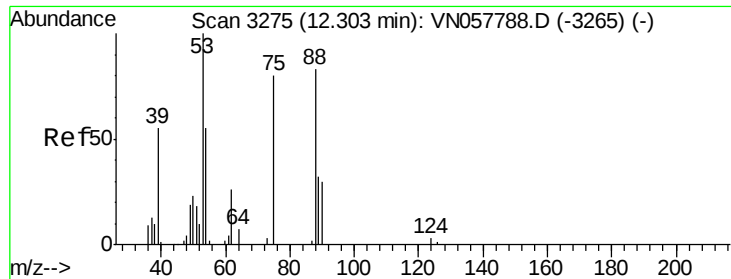
Tgt Ion: 105 Resp: 397037

Ion Ratio Lower Upper

105 100

120 47.1 0.0 94.4





#77

t-1,4-Dichloro-2-butene

Concen: 15.006 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN058009.D

Acq: 13 Sep 2019 11:40

Instrument :

MSVOA_N

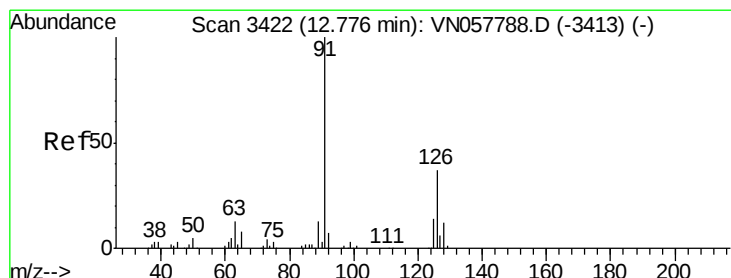
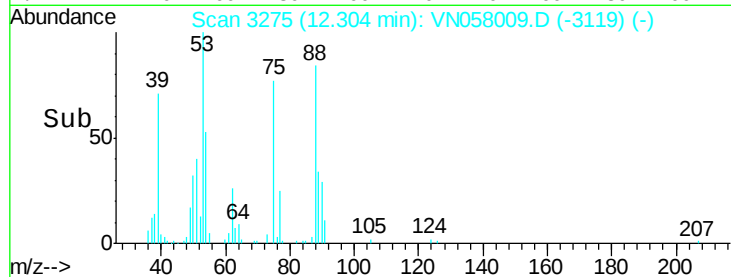
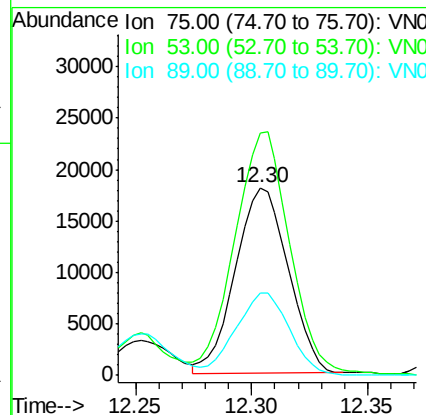
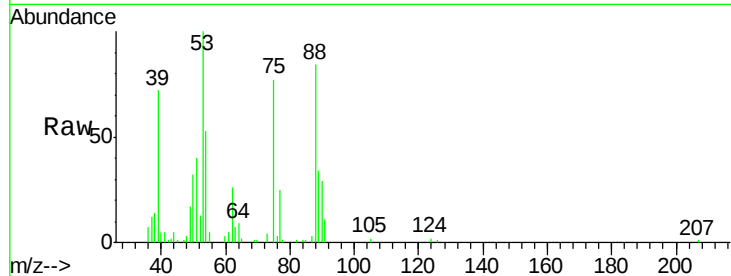
ClientSampleId :

VN0914WBS01

Tot Ion:	75	Resp:	28520
Ion	Ratio	Lower	Upper
75	100		
53	128.4	62.7	188.2
89	44.3	22.8	68.3

Manual Integrations
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#78

4-Chlorotoluene

Concen: 19.650 ug/l

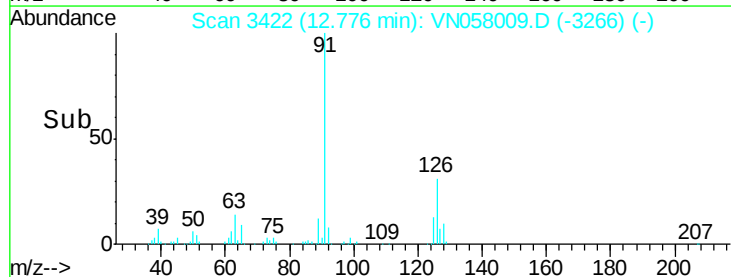
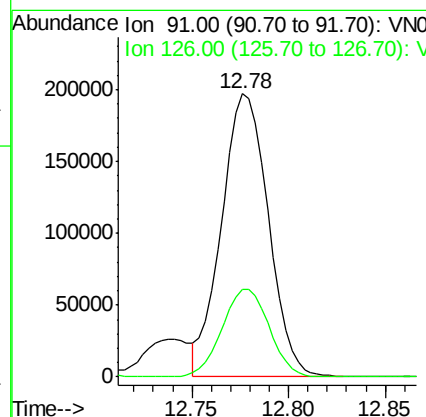
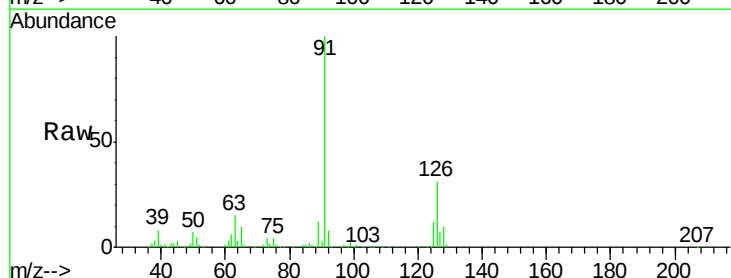
RT: 12.78 min Scan# 3422

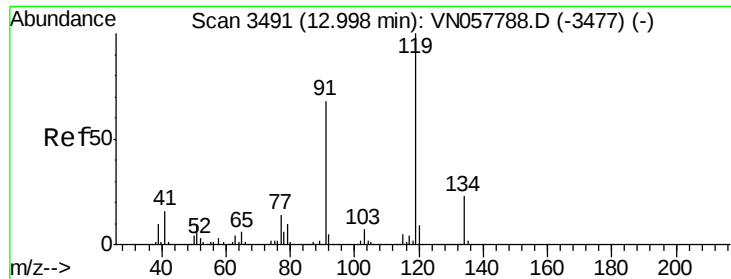
Delta R.T. 0.00 min

Lab File: VN058009.D

Acq: 13 Sep 2019 11:40

Tgt Ion:	91	Resp:	329425
Ion	Ratio	Lower	Upper
91	100		
126	31.3	0.0	65.2





#79

tert-butylbenzene

Concen: 19.782 ug/l

RT: 13.00 min Scan# 3491

Delta R.T. 0.00 min

Lab File: VN058009.D

Acq: 13 Sep 2019 11:40

Instrument :

MSVOA_N

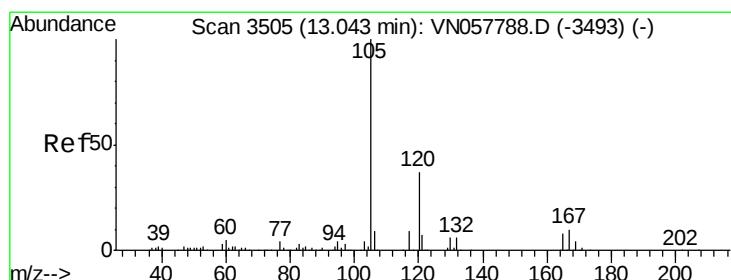
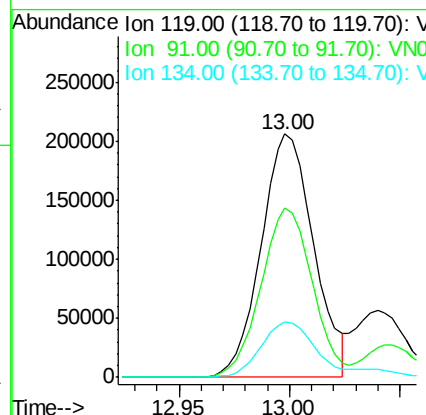
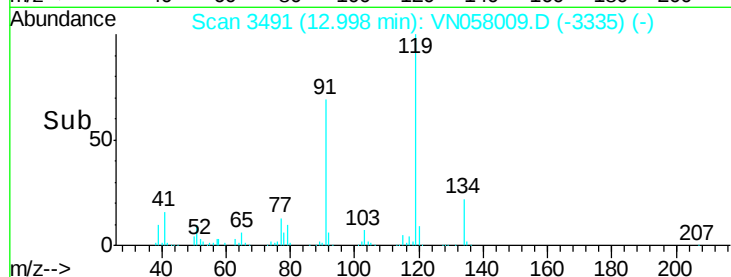
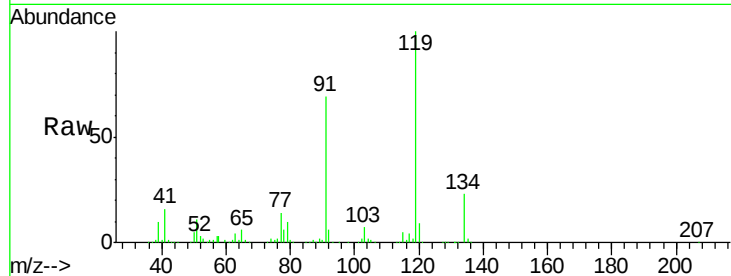
ClientSampleId :

VN0914WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
119	100		339406		
91	68.3	0.0	133.8		
134	23.5	0.0	46.4		

Manual Integrations
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#80

1,2,4-Trimethylbenzene

Concen: 20.250 ug/l

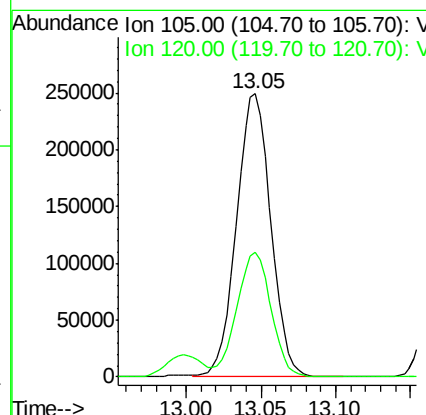
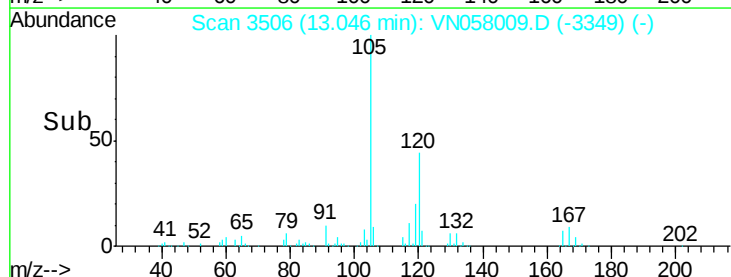
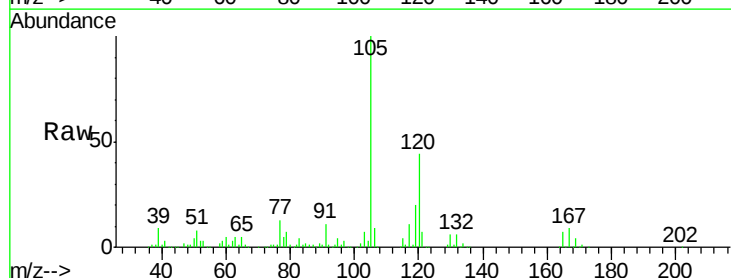
RT: 13.05 min Scan# 3506

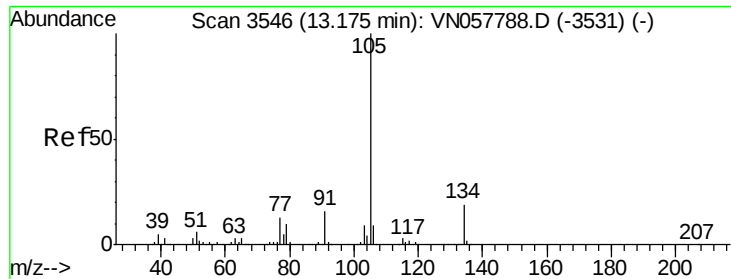
Delta R.T. 0.00 min

Lab File: VN058009.D

Acq: 13 Sep 2019 11:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		396809		
120	44.0	0.0	87.8		





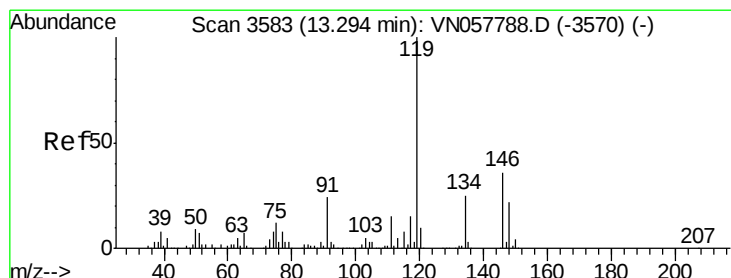
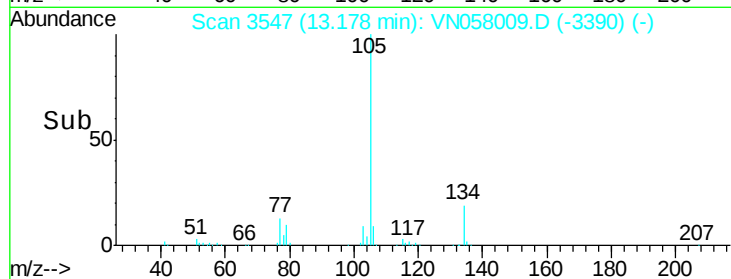
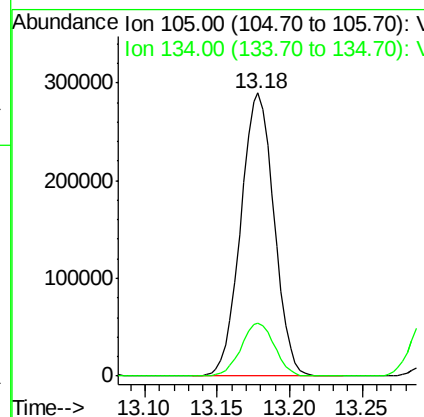
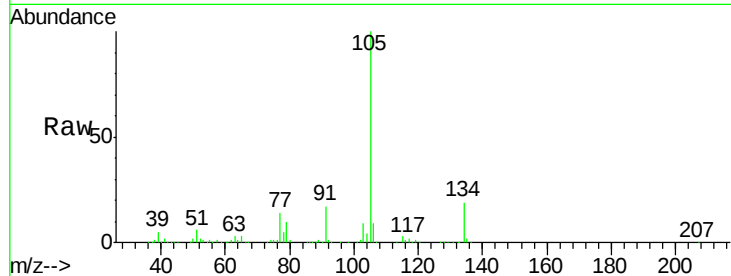
#81
 sec-Butylbenzene
 Concen: 20.273 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN058009.D
 Acq: 13 Sep 2019 11:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.8	0.0	37.6

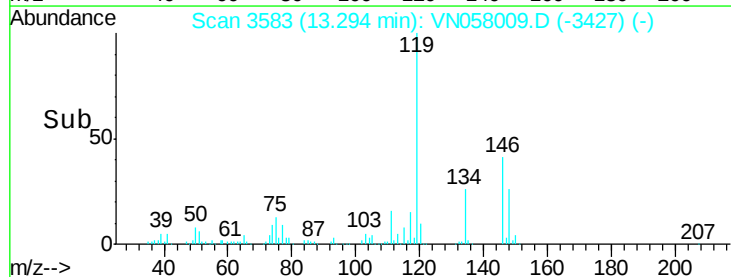
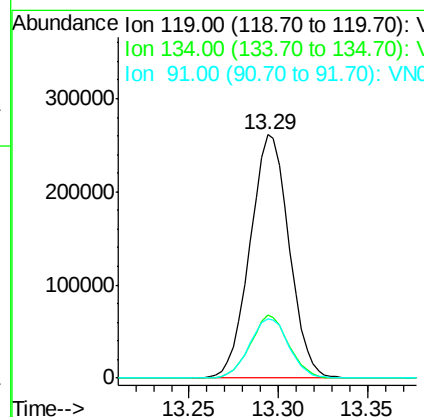
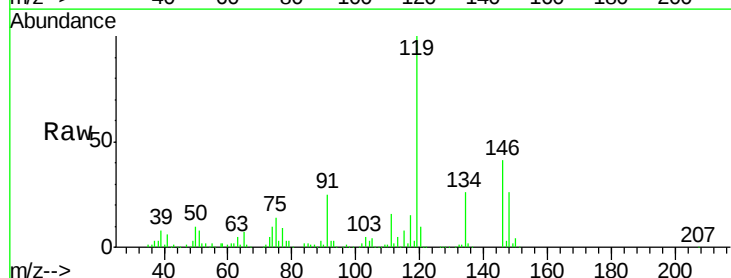
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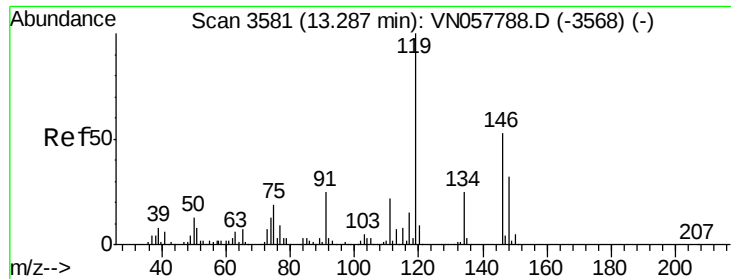
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#82
 p-Isopropyltoluene
 Concen: 19.570 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. 0.00 min
 Lab File: VN058009.D
 Acq: 13 Sep 2019 11:40

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.3	0.0	50.4
91	24.9	0.0	48.8





#83

1,3-Dichlorobenzene

Concen: 19.068 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN058009.D

Acq: 13 Sep 2019 11:40

Instrument :

MSVOA_N

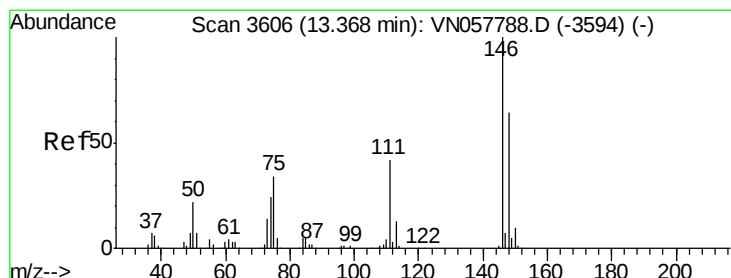
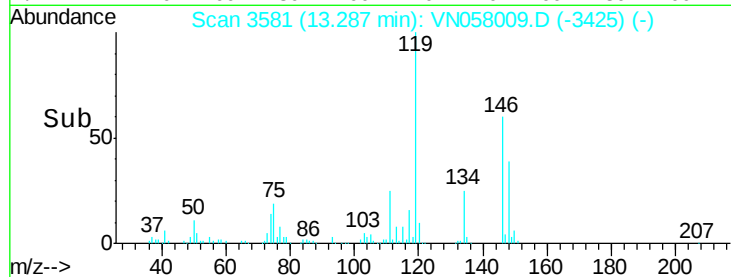
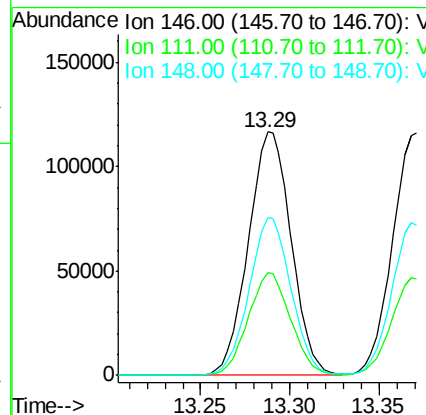
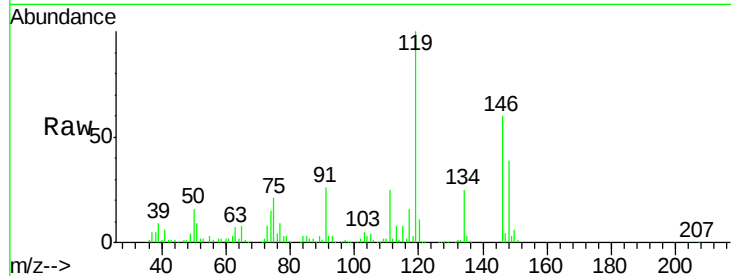
ClientSampleId :

VN0914WBS01

Tot Ion:	146	Resp:	195973
Ion Ratio	Lower	Upper	
146	100		
111	41.7	20.7	62.1
148	63.5	30.9	92.5

Manual Integrations
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#84

1,4-Dichlorobenzene

Concen: 19.096 ug/l

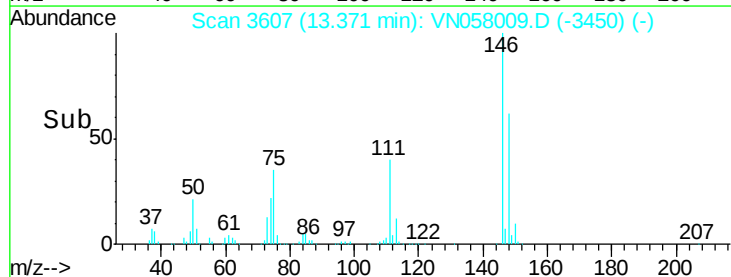
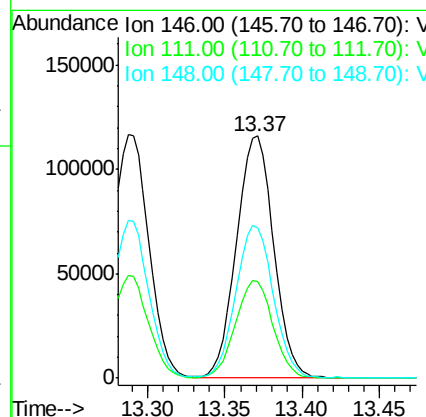
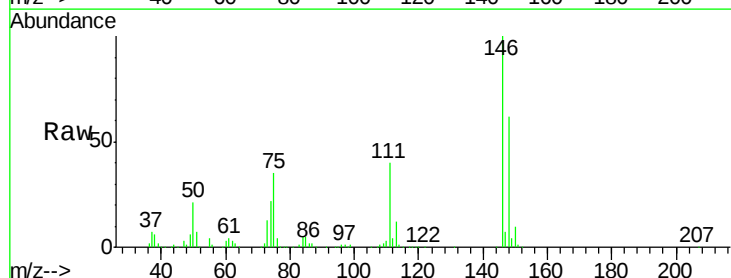
RT: 13.37 min Scan# 3607

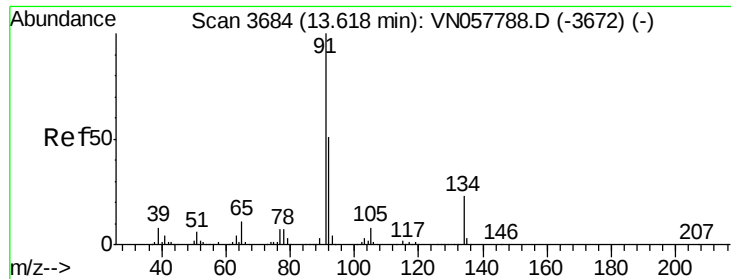
Delta R.T. 0.00 min

Lab File: VN058009.D

Acq: 13 Sep 2019 11:40

Tgt Ion:	146	Resp:	193224
Ion Ratio	Lower	Upper	
146	100		
111	40.4	21.1	63.4
148	63.9	31.7	95.1





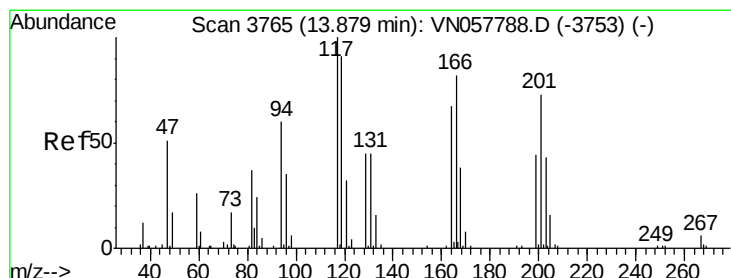
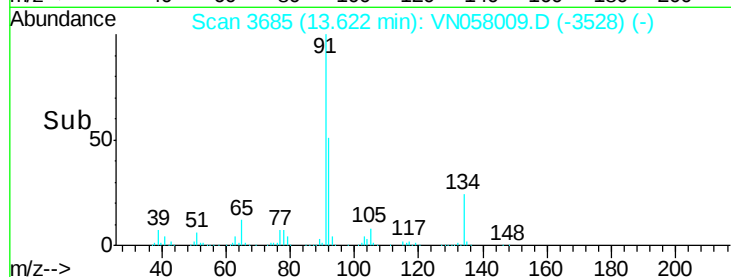
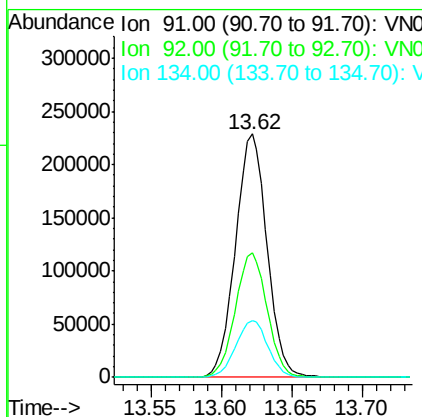
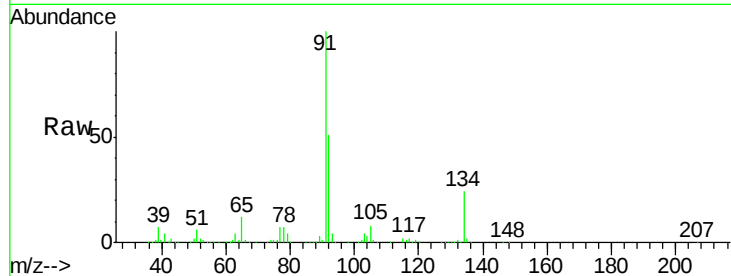
#85
n-Butylbenzene
Concen: 18.905 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN058009.D
Acq: 13 Sep 2019 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	51.6	0.0	100.0	
134	23.8	0.0	46.6	

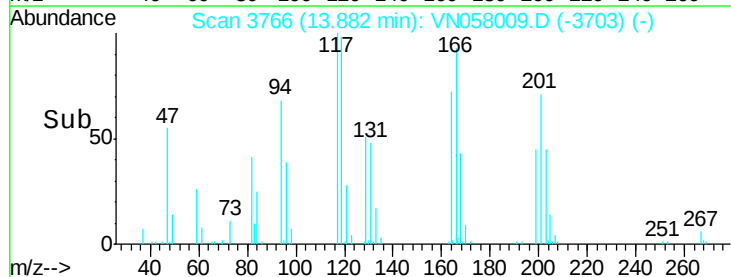
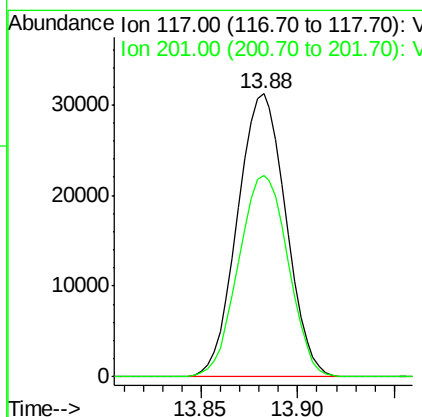
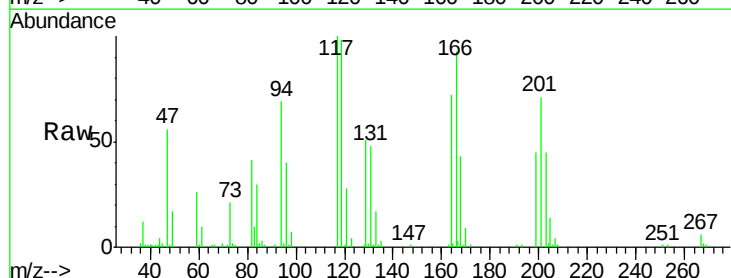
Manual Integrations
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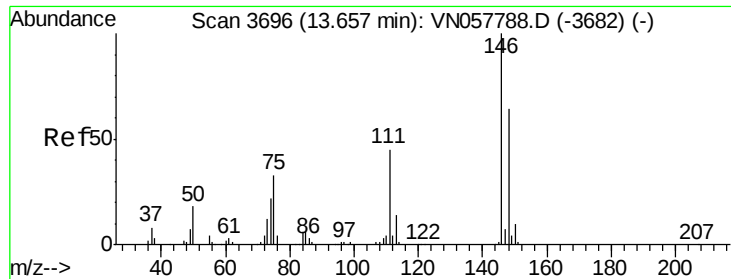
MMDadoda
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#86
Hexachloroethane
Concen: 16.720 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN058009.D
Acq: 13 Sep 2019 11:40

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	73.0	36.7	110.1	





#87

1,2-Dichlorobenzene

Concen: 19.711 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VN058009.D

Acq: 13 Sep 2019 11:40

Instrument :

MSVOA_N

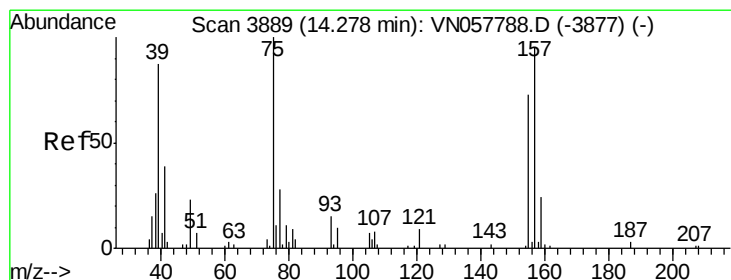
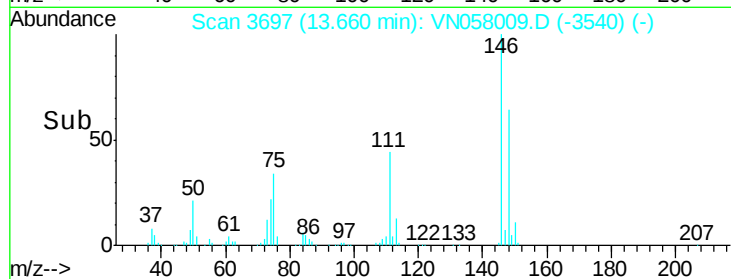
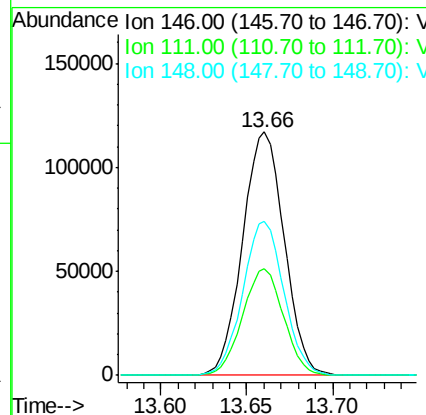
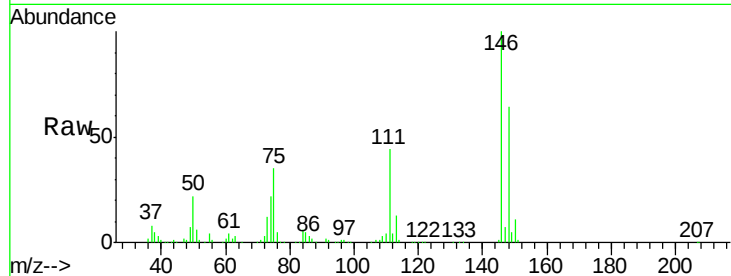
ClientSampleId :

VN0914WBS01

Tot Ion:	146	Resp:	196646
Ion Ratio	Lower	Upper	
146	100		
111	43.3	22.2	66.6
148	62.6	32.1	96.3

Manual Integrations
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#88

1,2-Dibromo-3-Chloropropane

Concen: 18.786 ug/l

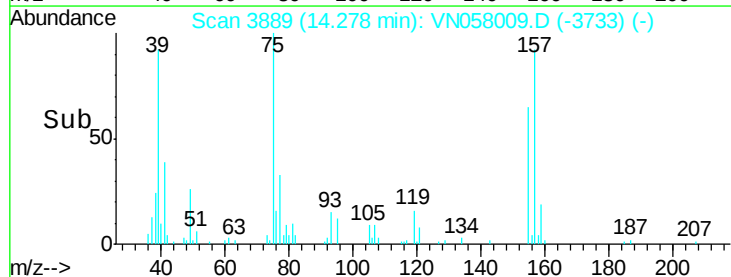
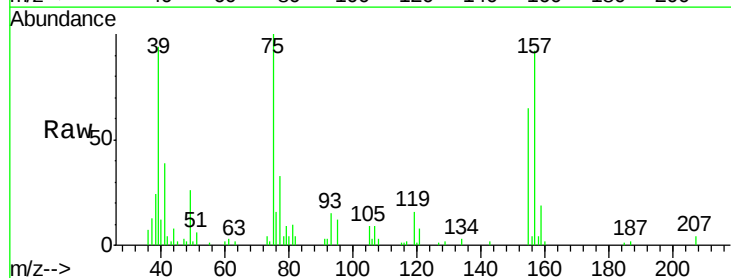
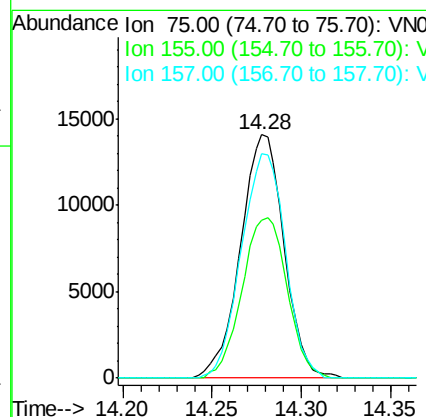
RT: 14.28 min Scan# 3889

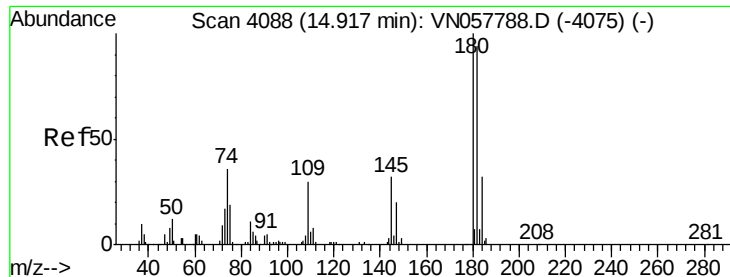
Delta R.T. 0.00 min

Lab File: VN058009.D

Acq: 13 Sep 2019 11:40

Tgt Ion:	75	Resp:	23875
Ion Ratio	Lower	Upper	
75	100		
155	68.4	59.4	89.2
157	93.4	74.6	112.0





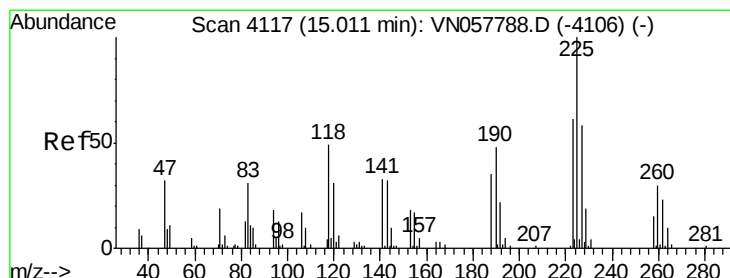
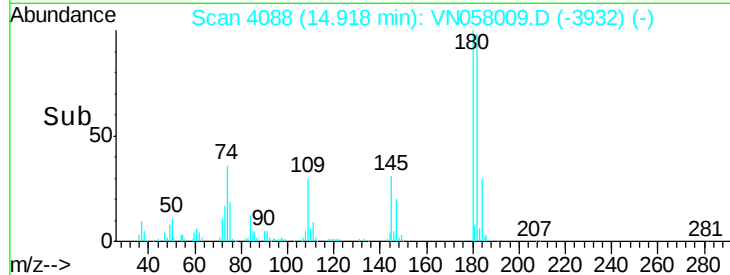
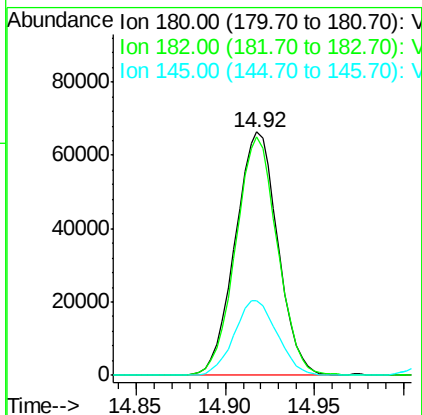
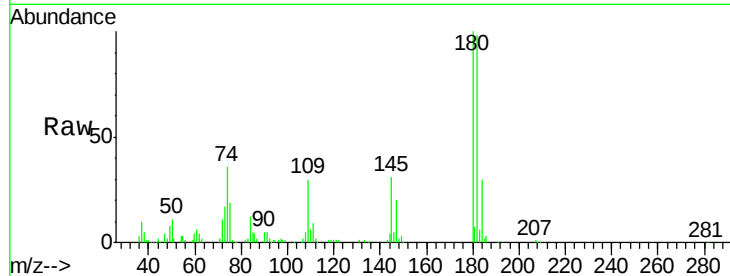
#89
 1,2,4-Trichlorobenzene
 Concen: 18.153 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058009.D
 Acq: 13 Sep 2019 11:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	110631		
182	96.0	77.0	115.4	
145	31.1	26.1	39.1	

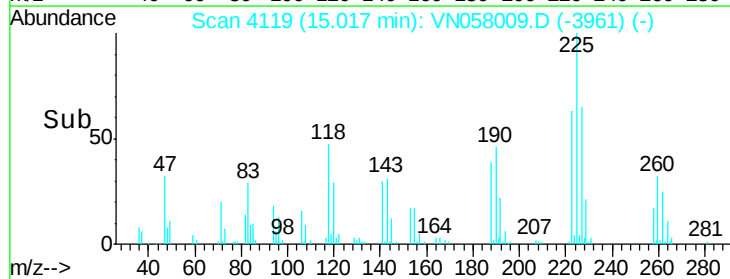
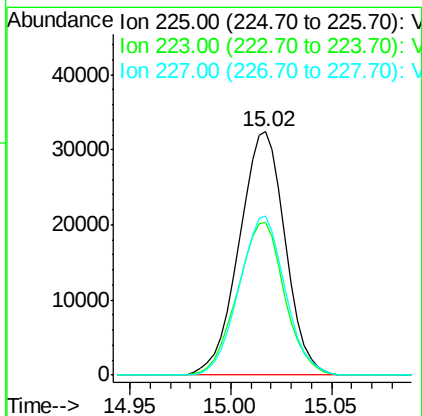
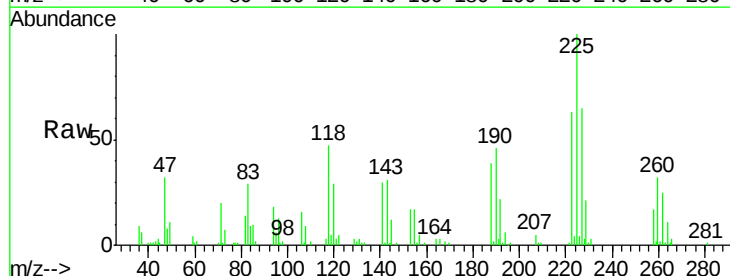
Manual Integrations
 APPROVED

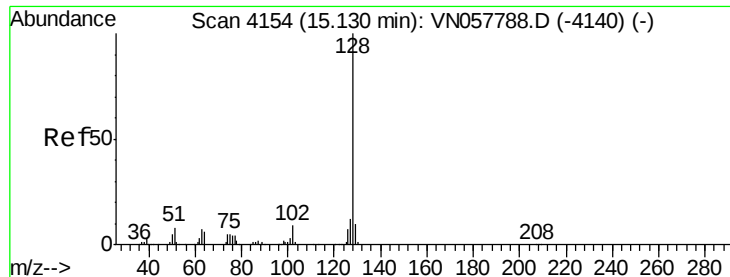
MMDadoda
 9/16/2019 2:46:45 PM



#90
 Hexachlorobutadiene
 Concen: 18.489 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.01 min
 Lab File: VN058009.D
 Acq: 13 Sep 2019 11:40

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	51748		
223	64.1	0.0	125.0	
227	65.3	0.0	123.8	





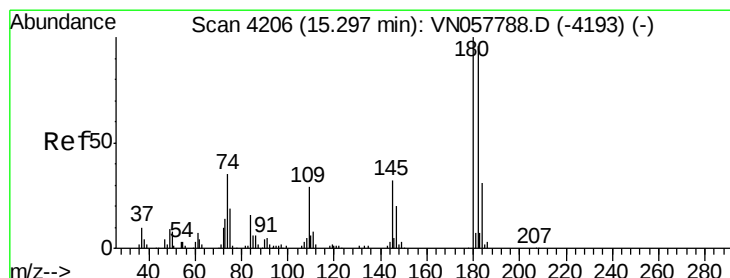
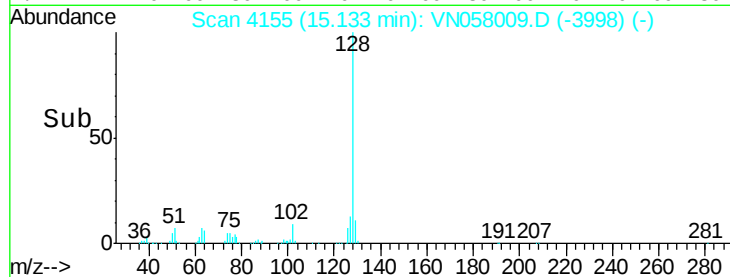
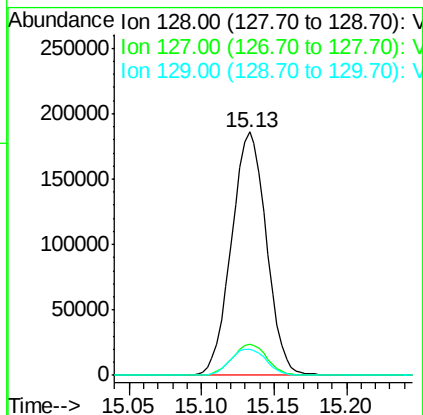
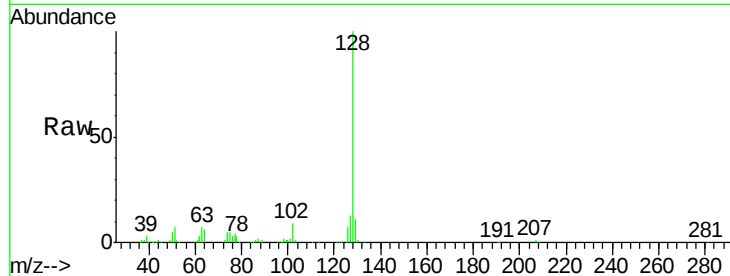
#91
Naphthalene
Concen: 18.556 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN058009.D
Acq: 13 Sep 2019 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
128	100		311148		
127	12.8		9.9	14.9	
129	11.1		8.1	12.1	

Manual Integrations
APPROVED

MMDadoda
9/16/2019 2:46:45 PM



#92
1,2,3-Trichlorobenzene
Concen: 18.838 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. 0.00 min
Lab File: VN058009.D
Acq: 13 Sep 2019 11:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
180	100		109484		
182	97.3		0.0	189.8	
145	31.4		0.0	65.0	

