

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092619\
 Data File : VN058385.D
 Acq On : 26 Sep 2019 14:58
 Operator : JC/SP
 Sample : VN0926WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0926WBS02

Manual Integrations
 APPROVED

MMDadoda
 9/27/2019 11:19:26 AM

Quant Time: Sep 27 04:55:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	443608	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	761436	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	648987	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	291482	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	307249	49.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.46%	
35) Dibromofluoromethane	7.57	113	215991	46.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.32%	
50) Toluene-d8	10.08	98	829185	45.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.96%	
62) 4-Bromofluorobenzene	12.41	95	283137	42.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	58562	16.070	ug/l	98
3) Chloromethane	2.04	50	51951	17.830	ug/l	98
4) Vinyl Chloride	2.17	62	54440	17.128	ug/l	99
5) Bromomethane	2.50	94	19055	12.272	ug/l	89
6) Chloroethane	2.61	64	14458	5.800	ug/l	94
7) Trichlorofluoromethane	2.93	101	87435	17.578	ug/l	100
8) Diethyl Ether	3.38	74	46174	20.260	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	3.70	101	69127	19.276	ug/l	100
10) Methyl Iodide	3.91	142	41617	13.849	ug/l	98
11) Tert butyl alcohol	4.89	59	48830m	66.439	ug/l	
12) 1,1-Dichloroethene	3.69	96	52254	18.979	ug/l	96
13) Acrolein	3.58	56	6724	61.734	ug/l	97
14) Allyl chloride	4.28	41	98678	16.815	ug/l	97
15) Acrylonitrile	4.97	53	204805	104.592	ug/l	99
16) Acetone	3.81	43	178551	85.135	ug/l	94
17) Carbon Disulfide	4.00	76	51777	13.713	ug/l	97
18) Methyl Acetate	4.30	43	127977	23.190	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	291502	21.551	ug/l	98
20) Methylene Chloride	4.52	84	78105	21.143	ug/l	96
21) trans-1,2-Dichloroethene	5.00	96	57178	19.030	ug/l	96
22) Diisopropyl ether	5.93	45	317912	21.327	ug/l	99
23) Vinyl Acetate	5.87	43	1088006	106.667	ug/l	100
24) 1,1-Dichloroethane	5.81	63	156871	19.717	ug/l	100
25) 2-Butanone	6.83	43	265264	92.838	ug/l	99
26) 2,2-Dichloropropane	6.80	77	117667	17.433	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	86204	19.163	ug/l	98
28) Bromochloromethane	7.17	49	73156	19.437	ug/l	97
29) Tetrahydrofuran	7.20	42	177706	100.969	ug/l	98
30) Chloroform	7.35	83	168633	19.691	ug/l	99
31) Cyclohexane	7.63	56	103349	18.579	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	123293	18.911	ug/l	98
36) 1,1-Dichloropropene	7.77	75	96310	17.539	ug/l	99
37) Ethyl Acetate	6.91	43	120034	21.064	ug/l	99
38) Carbon Tetrachloride	7.75	117	95255	17.257	ug/l	97

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

39) Methylcyclohexane	9.07	83	96547	18.230	ug/l	98
40) Benzene	8.02	78	313449	18.689	ug/l	100
41) Methacrylonitrile	7.16	41	53229	19.115	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	134472	19.108	ug/l	99
43) Isopropyl Acetate	8.16	43	274450	25.788	ug/l #	82
44) Trichloroethene	8.82	130	75813	18.472	ug/l	98
45) 1,2-Dichloropropane	9.11	63	100493	20.064	ug/l	96
46) Dibromomethane	9.20	93	57956	19.032	ug/l	97
47) Bromodichloromethane	9.39	83	115589	18.119	ug/l	96
48) Methyl methacrylate	9.19	41	94424	19.541	ug/l	99
49) 1,4-Dioxane	9.21	88	14208	179.087	ug/l	91
51) 4-Methyl-2-Pentanone	9.99	43	598823	105.932	ug/l	99
52) Toluene	10.15	92	191813	18.249	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	121468	18.588	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	133887	18.557	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	93523	20.050	ug/l	98
56) Ethyl methacrylate	10.43	69	128162	19.043	ug/l	99
57) 1,3-Dichloropropane	10.71	76	156995	19.578	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	357632	111.560	ug/l	99
59) 2-Hexanone	10.76	43	417910	99.541	ug/l	100
60) Dibromochloromethane	10.90	129	80452	17.928	ug/l	99
61) 1,2-Dibromoethane	11.00	107	83339	19.279	ug/l	98
64) Tetrachloroethene	10.63	164	61238	19.357	ug/l	97
65) Chlorobenzene	11.44	112	220315	19.300	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	81410	19.668	ug/l	99
67) Ethyl Benzene	11.51	91	396162	20.254	ug/l	100
68) m/p-Xylenes	11.62	106	278030	37.741	ug/l	96
69) o-Xylene	11.95	106	139766	19.295	ug/l	98
70) Styrene	11.97	104	243236	19.489	ug/l	99
71) Bromoform	12.13	173	46922	17.786	ug/l #	96
73) Isopropylbenzene	12.26	105	397724	21.799	ug/l	99
74) N-amyl acetate	12.08	43	172347	22.580	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	133701	21.883	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	118733m	22.761	ug/l	
77) Bromobenzene	12.53	156	94283	20.544	ug/l	100
78) n-propylbenzene	12.60	91	455713	21.980	ug/l	98
79) 2-Chlorotoluene	12.68	91	271640	20.964	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	335947	21.775	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.31	75	28381	20.100	ug/l	90
82) 4-Chlorotoluene	12.78	91	279806	20.543	ug/l	98
83) tert-Butylbenzene	13.00	119	295374	21.468	ug/l	98
84) 1,2,4-Trimethylbenzene	13.05	105	326525	21.267	ug/l	99
85) sec-Butylbenzene	13.18	105	388799	21.610	ug/l	99
86) p-Isopropyltoluene	13.30	119	341522	21.352	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	172899	20.626	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	168924	19.739	ug/l	98
89) n-Butylbenzene	13.62	91	309856	20.433	ug/l	99
90) Hexachloroethane	13.89	117	49669	19.532	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	179943	21.400	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	23990	21.810	ug/l	94

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QLast Update : Thu Sep 19 09:27:53 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	113861	21.194	ug/l	98
94) Hexachlorobutadiene	15.02	225	51731	19.922	ug/l	96
95) Naphthalene	15.14	128	942527	67.696	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	111668	21.991	ug/l	99

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

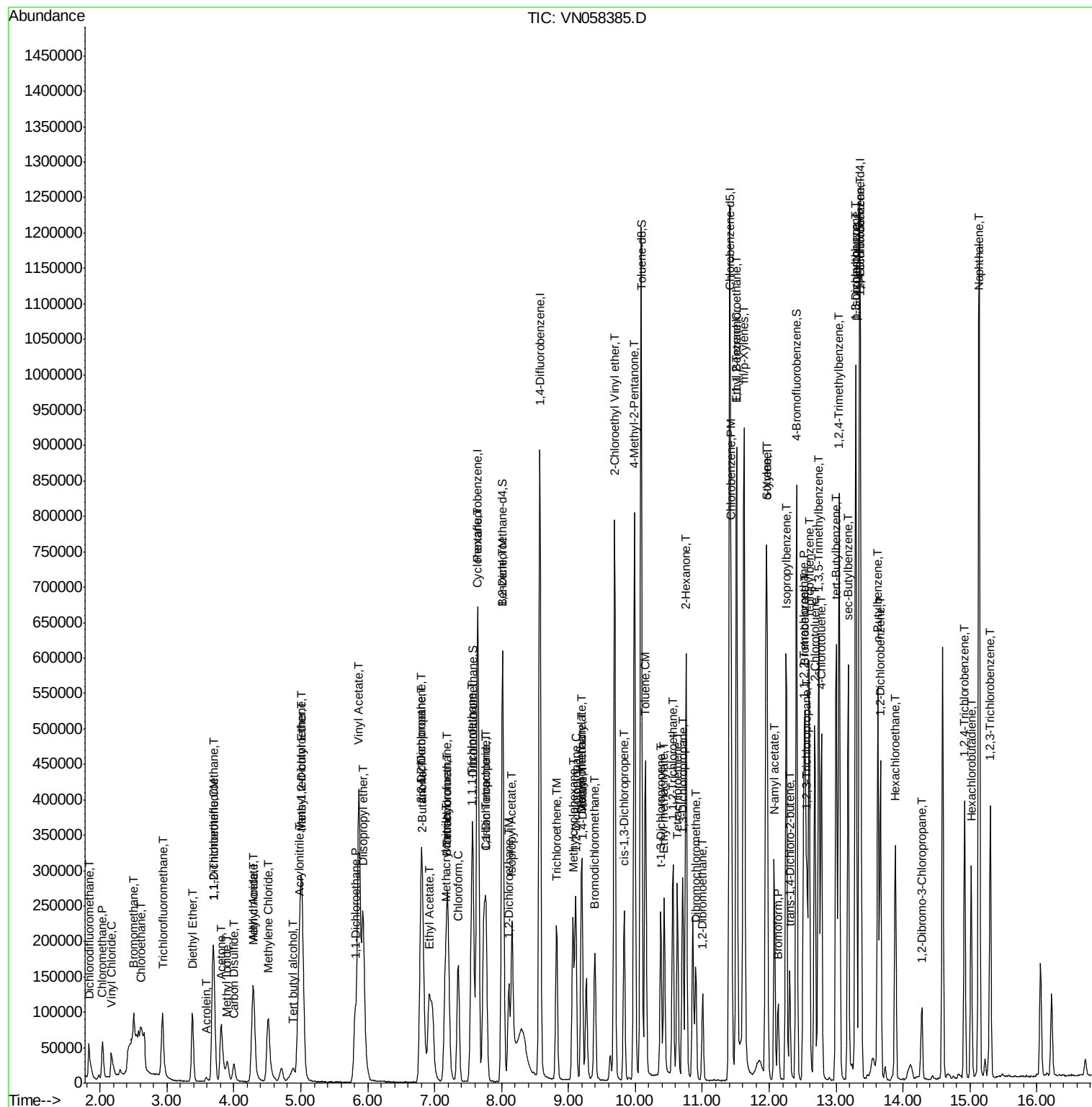
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN092619\
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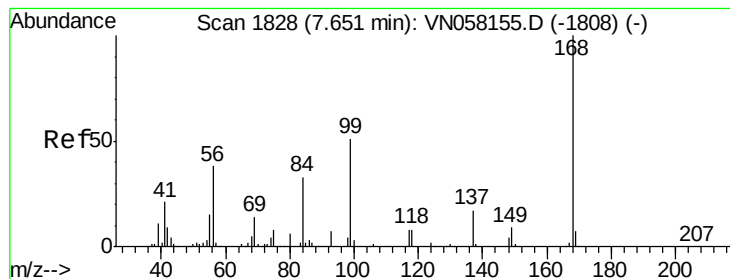
Instrument :
 MSVOA_N
 Client Sample Id :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN058385.D

Acq: 26 Sep 2019 14:58

Instrument :

MSVOA_N

ClientSampleId :

VN0926WBS02

Tot Ion:168 Resp: 443608

Ion Ratio Lower Upper

168 100

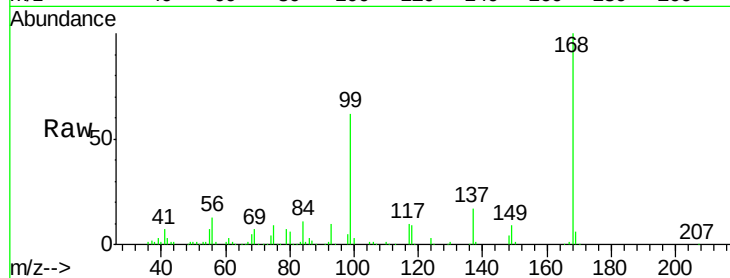
99 61.2 47.4 71.2

Manual Integrations

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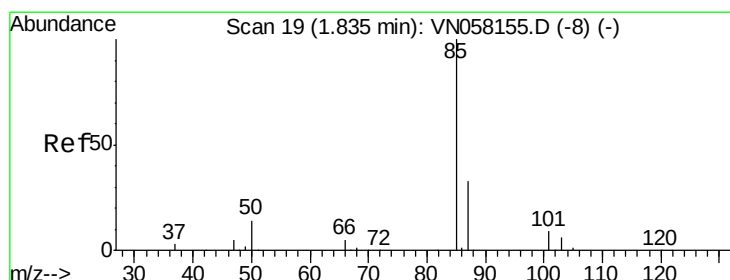
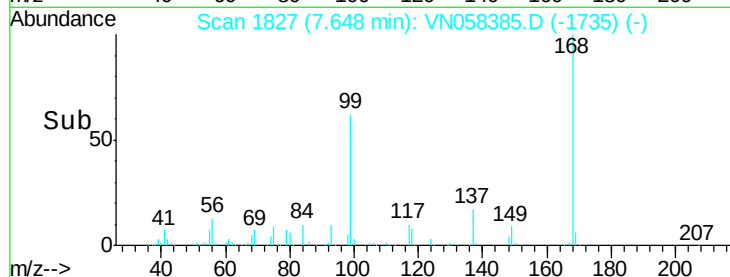
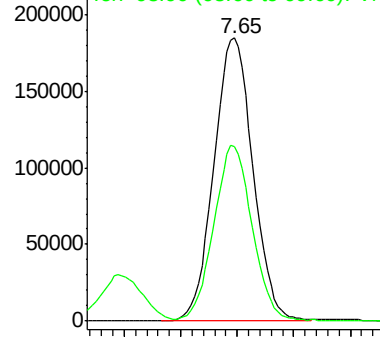
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 16.070 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN058385.D

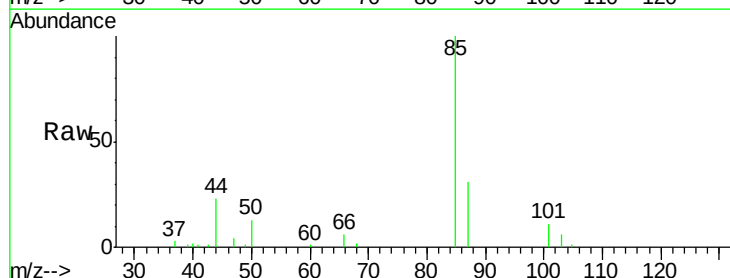
Acq: 26 Sep 2019 14:58

Tgt Ion: 85 Resp: 58562

Ion Ratio Lower Upper

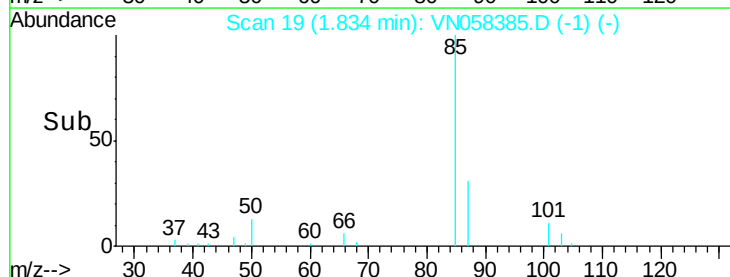
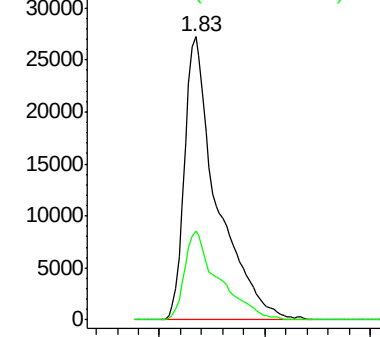
85 100

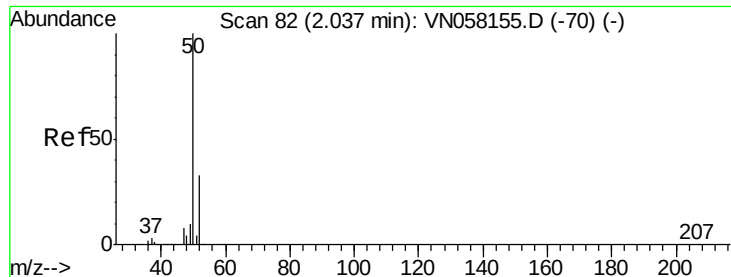
87 31.5 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 17.830 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN058385.D

Acq: 26 Sep 2019 14:58

Instrument :

MSVOA_N

ClientSampleId :

VN0926WBS02

Tot Ion: 50 Resp: 51951

Ion Ratio Lower Upper

50 100

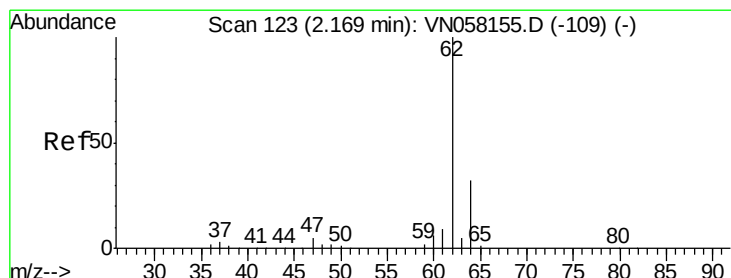
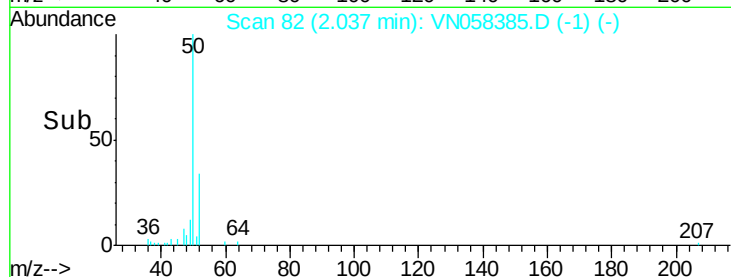
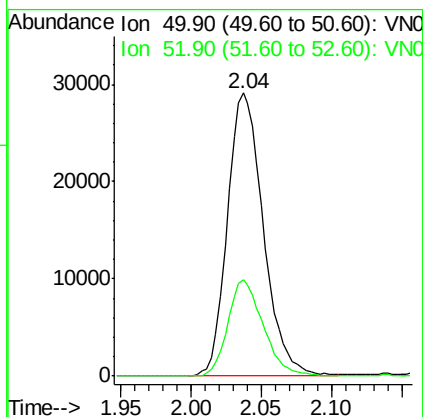
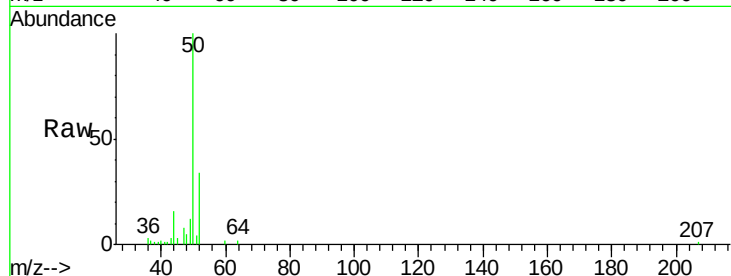
52 34.2 26.3 39.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 17.128 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058385.D

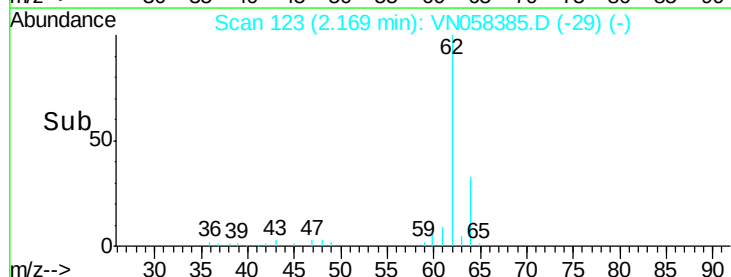
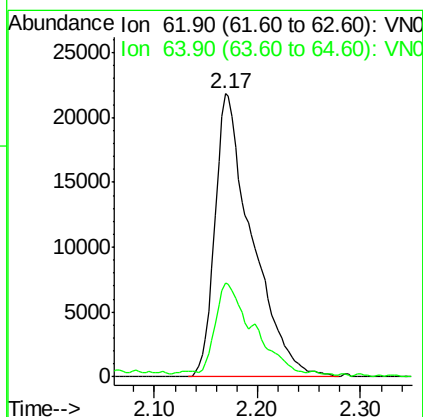
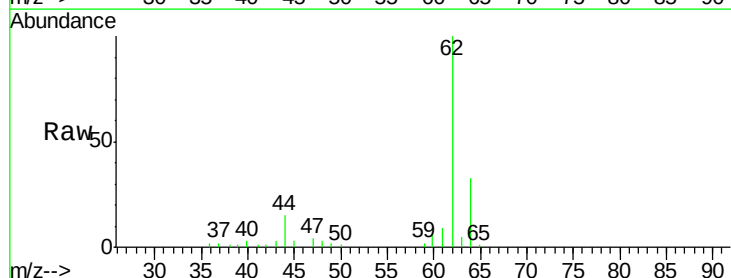
Acq: 26 Sep 2019 14:58

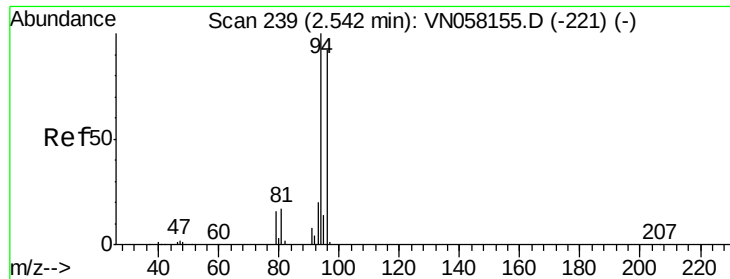
Tgt Ion: 62 Resp: 54440

Ion Ratio Lower Upper

62 100

64 32.4 25.4 38.2





#5

Bromomethane

Concen: 12.272 ug/l

RT: 2.50 min Scan# 227

Delta R.T. -0.04 min

Lab File: VN058385.D

Acq: 26 Sep 2019 14:58

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 19055

Ion Ratio Lower Upper

94 100

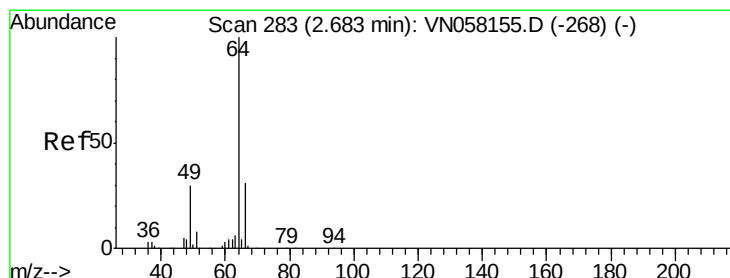
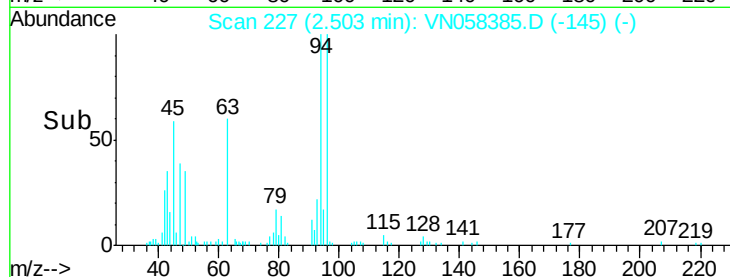
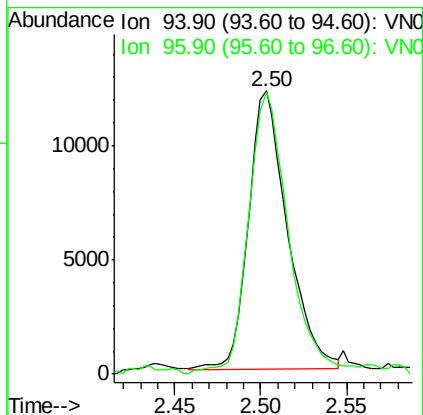
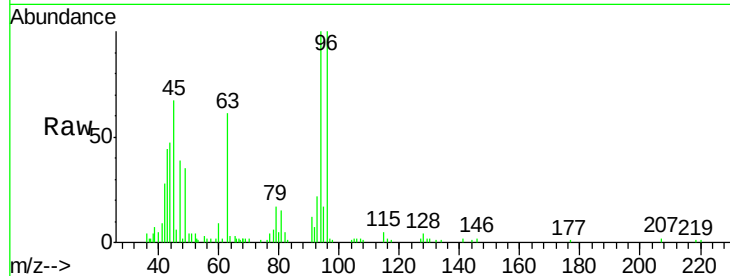
96 101.7 73.3 109.9

Manual Integrations

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#6

Chloroethane

Concen: 5.800 ug/l

RT: 2.61 min Scan# 260

Delta R.T. -0.07 min

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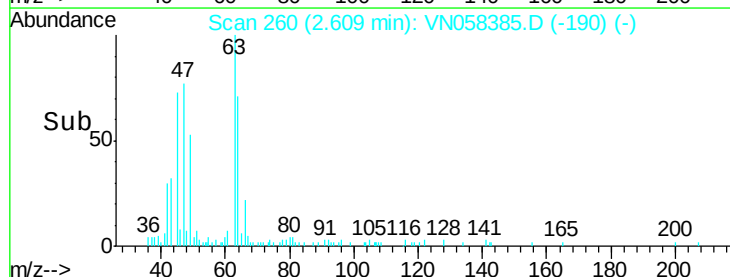
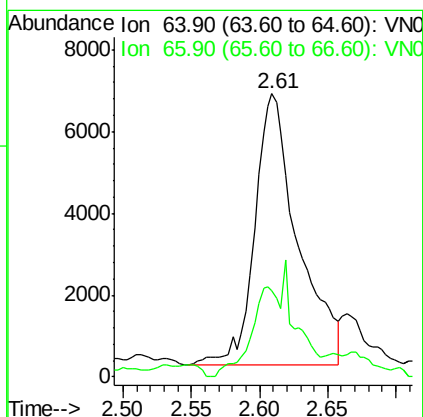
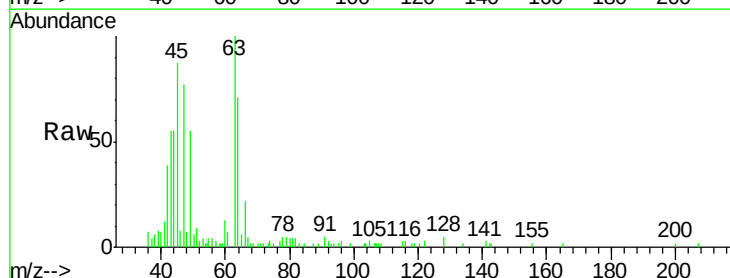
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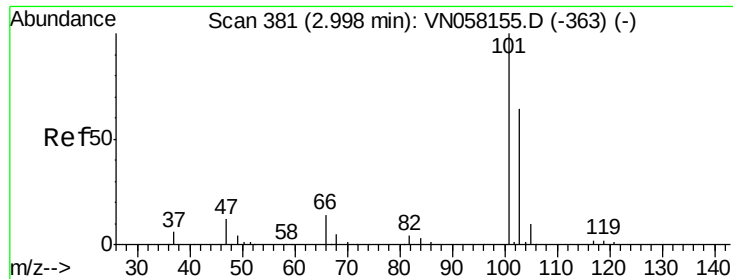
Tgt Ion: 64 Resp: 14458

Ion Ratio Lower Upper

64 100

66 27.4 24.6 37.0





#7

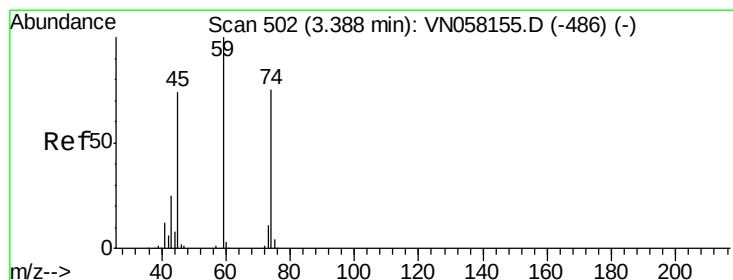
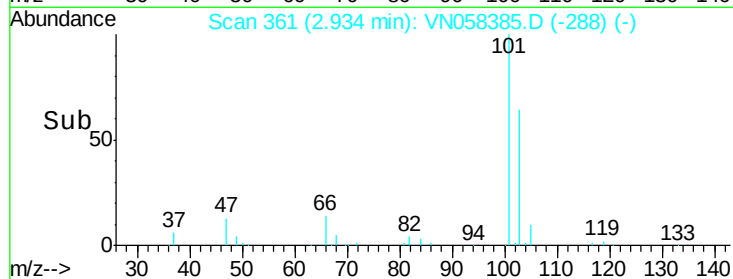
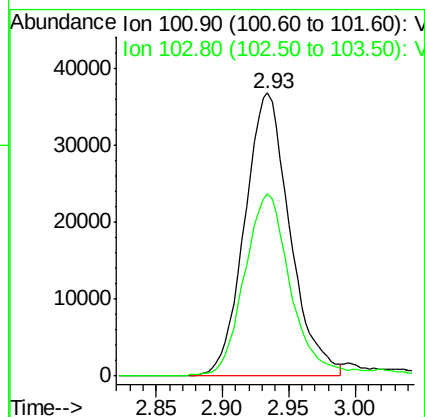
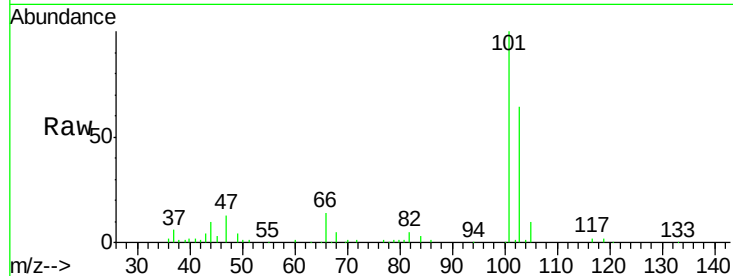
Trichlorofluoromethane
Concen: 17.578 ug/l
RT: 2.93 min Scan# 361
Delta R.T. -0.06 min
Lab File: VN058385.D
Acq: 26 Sep 2019 14:58

Instrument :
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ClientSampleId :
VN0926WBS02

Tot Ion:101 Resp: 87435
Ion Ratio Lower Upper
101 100
103 63.8 51.0 76.6

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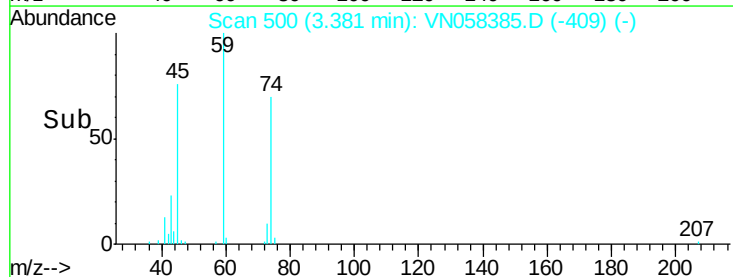
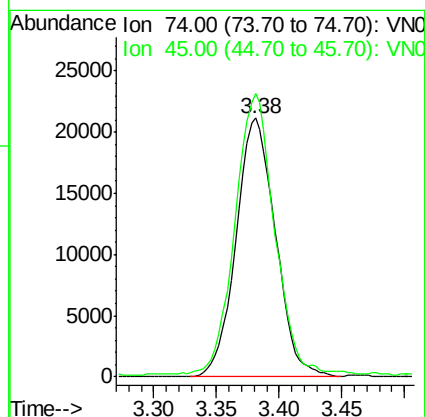
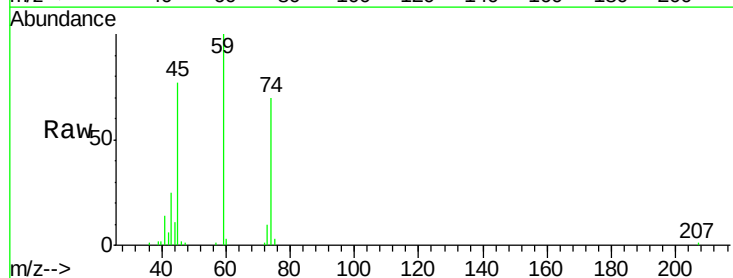
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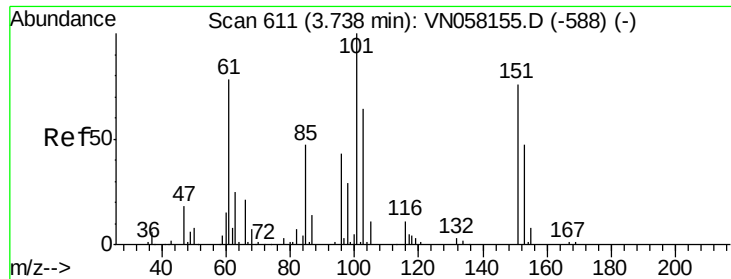


#8

Diethyl Ether
Concen: 20.260 ug/l
RT: 3.38 min Scan# 500
Delta R.T. -0.01 min
Lab File: VN058385.D
Acq: 26 Sep 2019 14:58

Tgt Ion: 74 Resp: 46174
Ion Ratio Lower Upper
74 100
45 108.7 48.5 145.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.276 ug/l

RT: 3.70 min Scan# 599

Delta R.T. -0.04 min

Lab File: VN058385.D

Acq: 26 Sep 2019 14:58

Instrument :

MSVOA_N

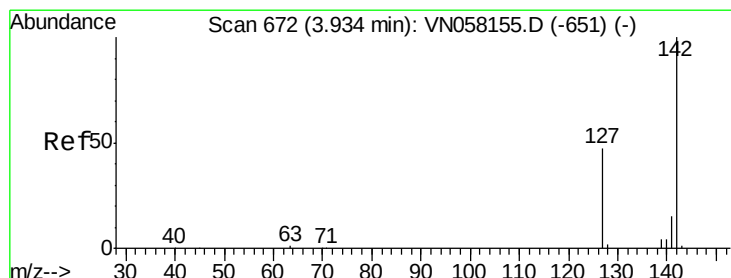
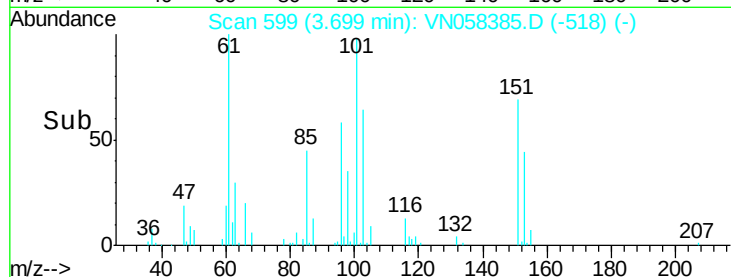
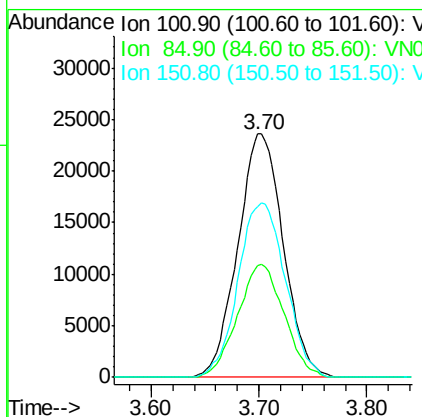
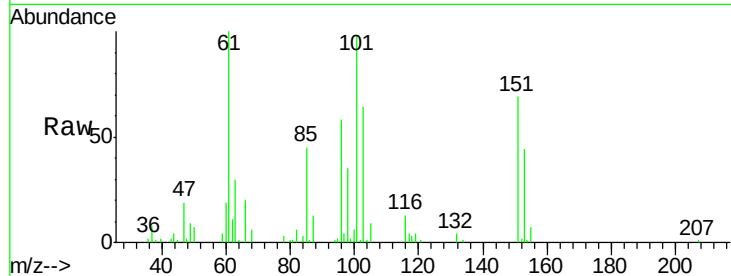
ClientSampleId :

VN0926WBS02

Tot Ion:	101	Resp:	69127
Ion Ratio	Lower	Upper	
101	100		
85	47.2	37.3	55.9
151	74.6	59.6	89.4

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#10

Methyl Iodide

Concen: 13.849 ug/l

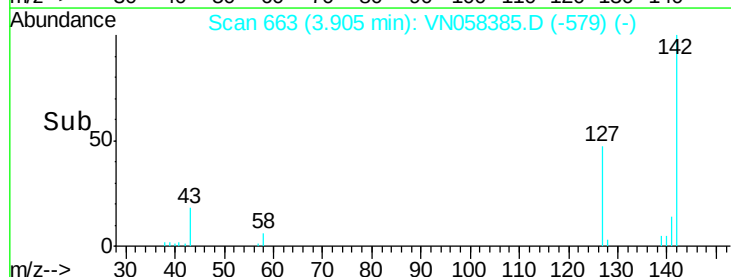
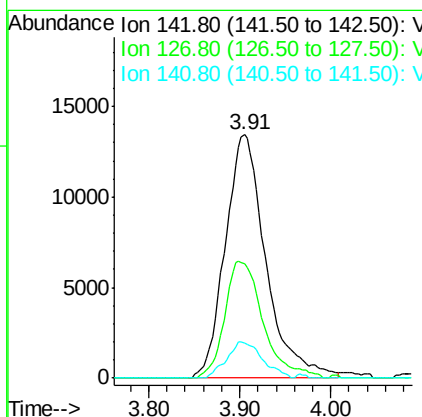
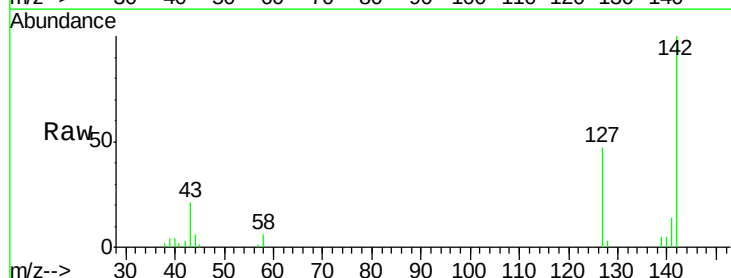
RT: 3.91 min Scan# 663

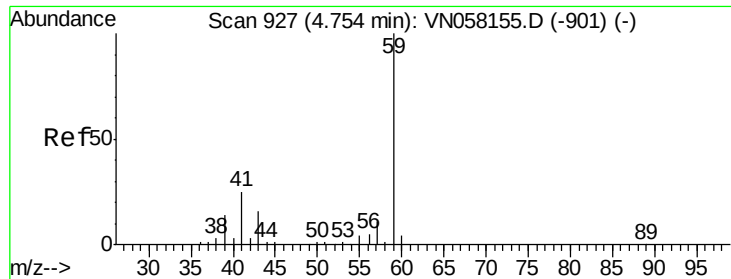
Delta R.T. -0.03 min

Lab File: VN058385.D

Acq: 26 Sep 2019 14:58

Tgt Ion:	142	Resp:	41617
Ion Ratio	Lower	Upper	
142	100		
127	45.4	37.5	56.3
141	13.2	11.4	17.2





#11

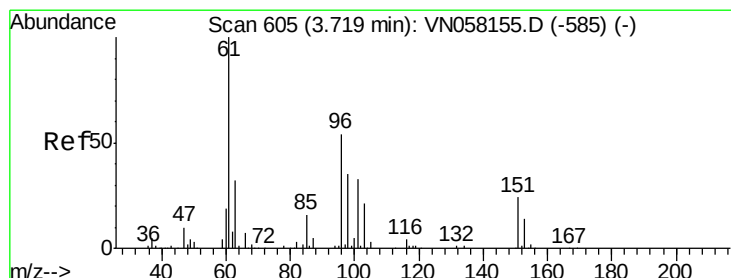
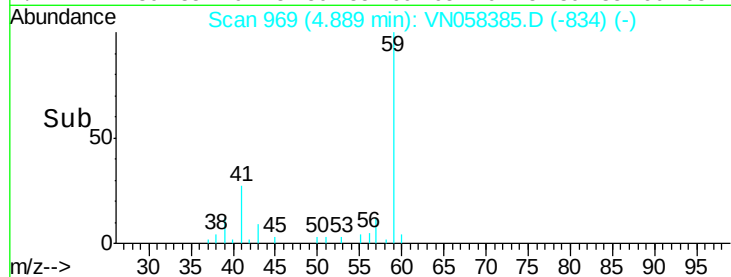
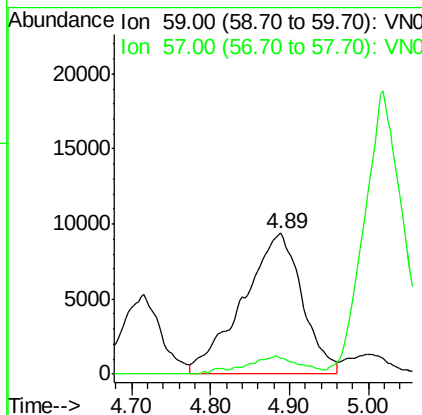
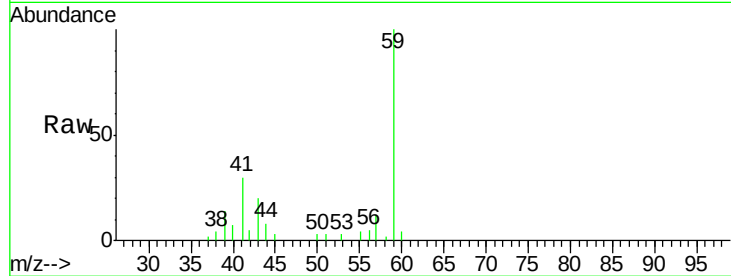
Tert butyl alcohol
 Concen: 66.439 ug/l m
 RT: 4.89 min Scan# 969
 Delta R.T. 0.13 min
 Lab File: VN058385.D
 Acq: 26 Sep 2019 14:58

Instrument :
 MSVOA_N
 ClientSampled :
 VN0926WBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.6	13.0#

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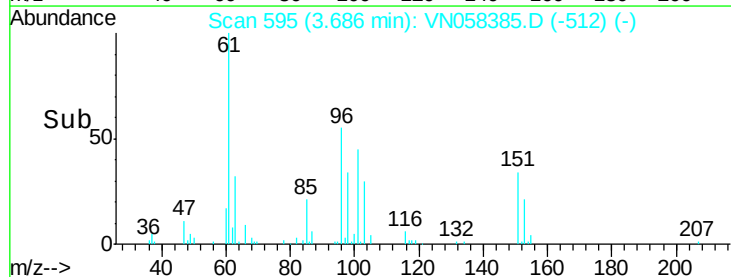
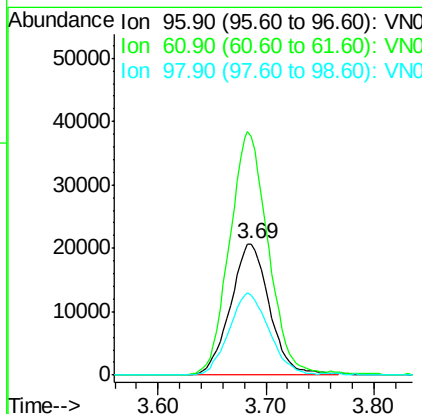
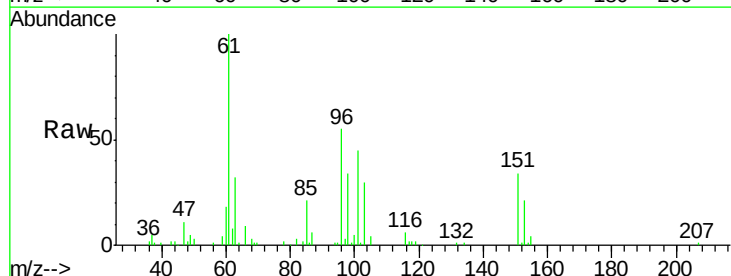
MMDadoda
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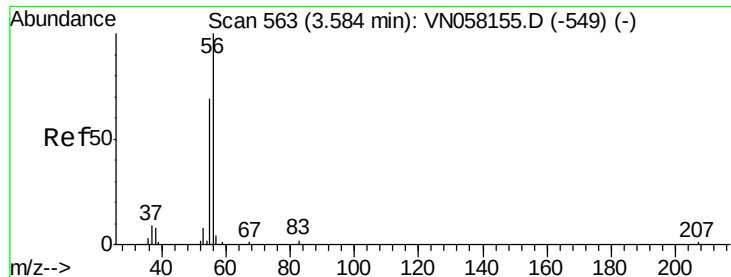


#12

1,1-Dichloroethene
 Concen: 18.979 ug/l
 RT: 3.69 min Scan# 595
 Delta R.T. -0.03 min
 Lab File: VN058385.D
 Acq: 26 Sep 2019 14:58

Tgt Ion	Ratio	Lower	Upper
96	100		
61	181.2	149.5	224.3
98	61.0	52.4	78.6





#13

Acrolein

Concen: 61.734 ug/l

RT: 3.58 min Scan# 563

Delta R.T. -0.00 min

Lab File: VN058385.D

Acq: 26 Sep 2019 14:58

Instrument :

MSVOA_N

ClientSampleId :

VN0926WBS02

Tot Ion: 56 Resp: 6724

Ion Ratio Lower Upper

56 100

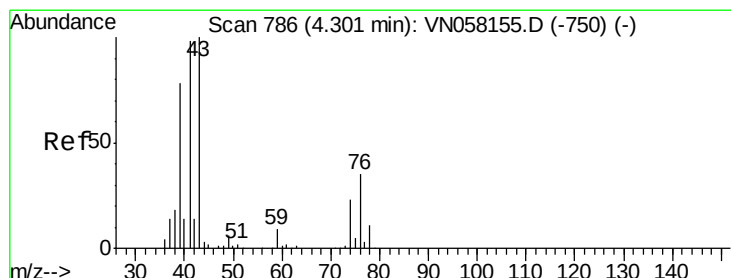
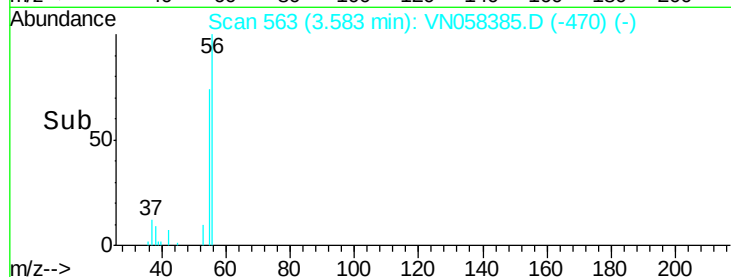
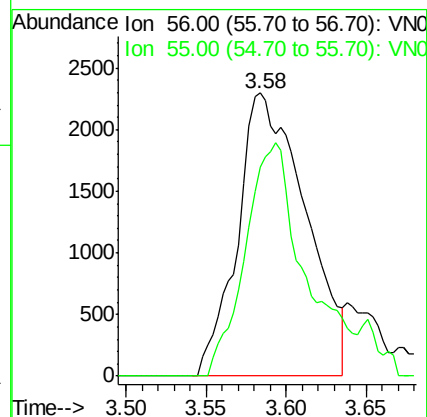
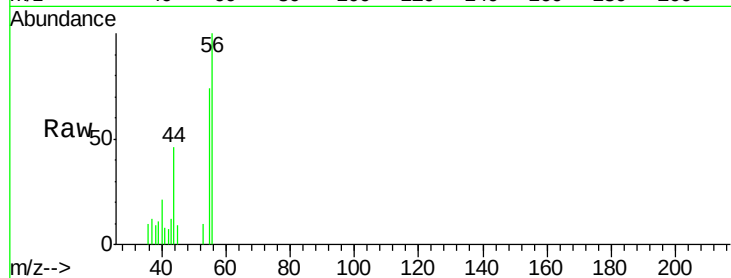
55 72.7 56.1 84.1

Manual Integrations

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#14

Allyl chloride

Concen: 16.815 ug/l

RT: 4.28 min Scan# 779

Delta R.T. -0.02 min

Lab File: VN058385.D

Acq: 26 Sep 2019 14:58

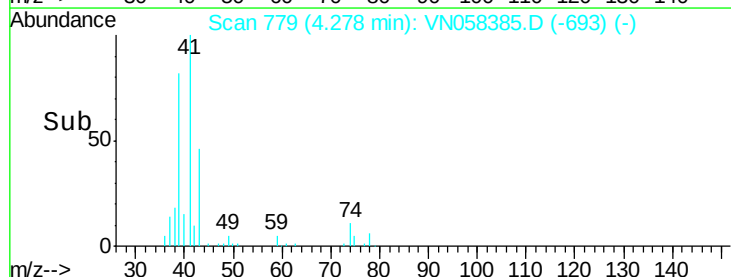
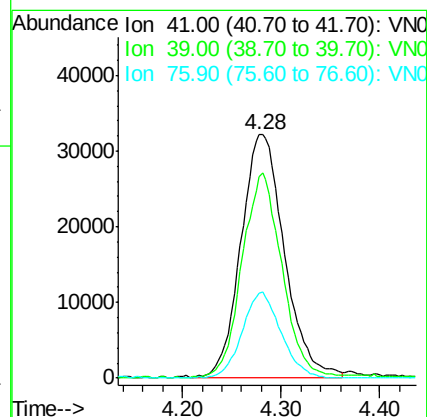
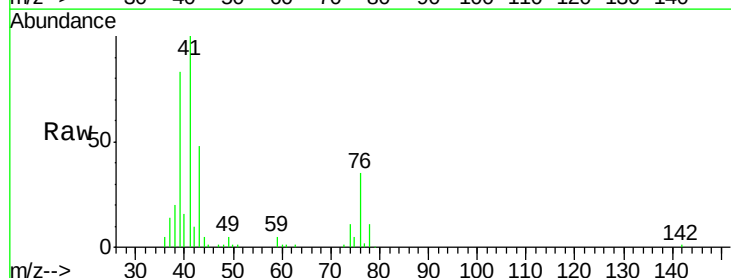
Tgt Ion: 41 Resp: 98678

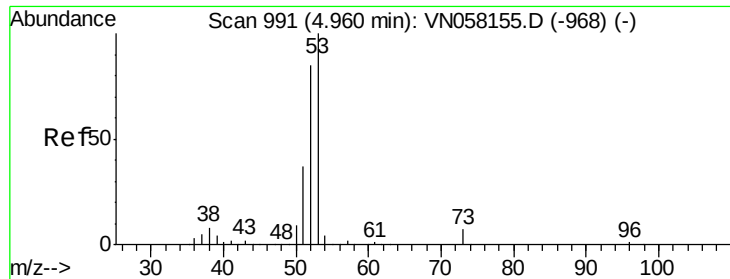
Ion Ratio Lower Upper

41 100

39 77.2 59.1 88.7

76 31.3 25.1 37.7





#15

Acrylonitrile

Concen: 104.592 ug/l

RT: 4.97 min Scan# 993

Delta R.T. 0.01 min

Lab File: VN058385.D

Acq: 26 Sep 2019 14:58

Instrument :

MSVOA_N

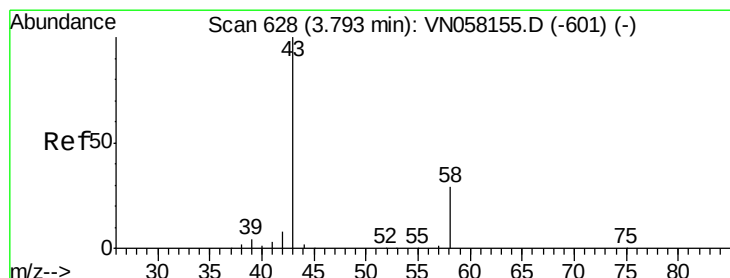
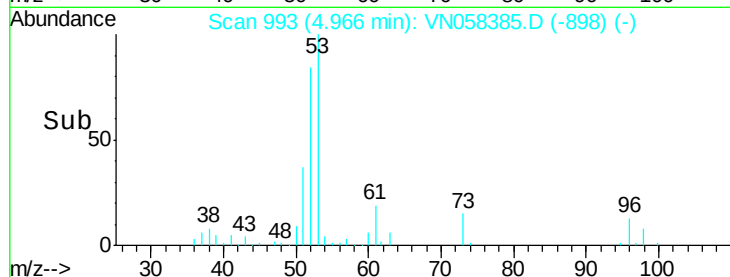
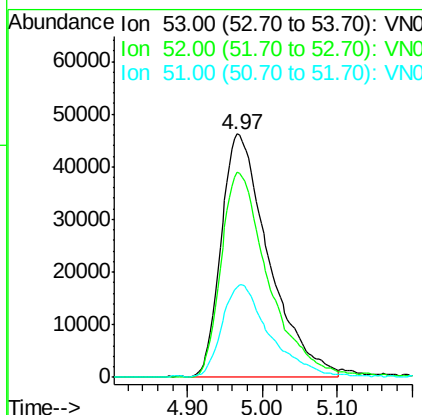
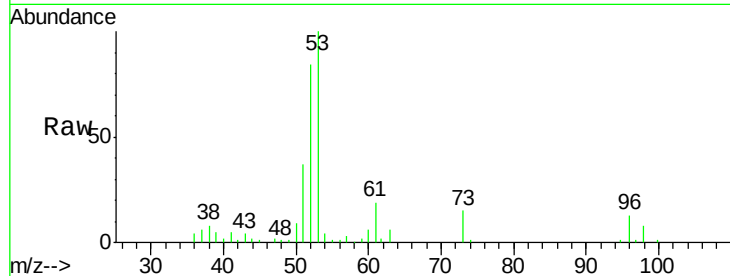
ClientSampled :

VN0926WBS02

Tot Ion:	53	Resp:	204805
Ion Ratio		Lower	Upper
53	100		
52	83.6	66.6	100.0
51	38.6	29.7	44.5

Manual Integrations
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#16

Acetone

Concen: 85.135 ug/l

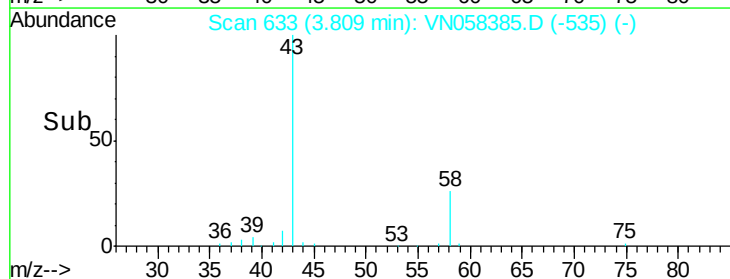
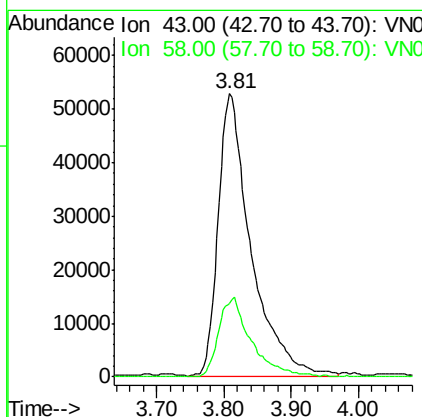
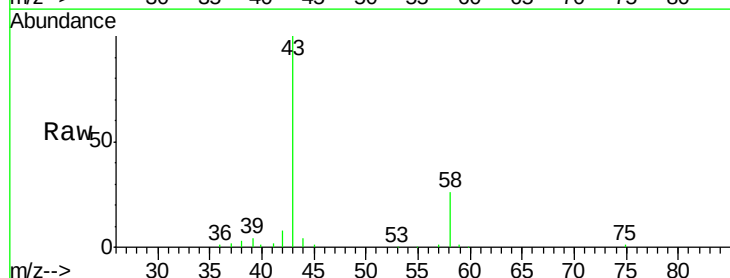
RT: 3.81 min Scan# 633

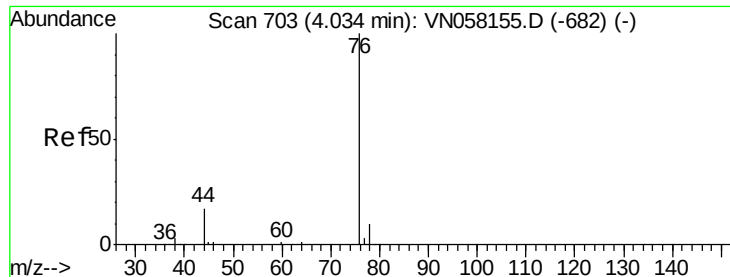
Delta R.T. 0.02 min

Lab File: VN058385.D

Acq: 26 Sep 2019 14:58

Tgt Ion:	43	Resp:	178551
Ion Ratio		Lower	Upper
43	100		
58	26.2	23.4	35.2





#17

Carbon Disulfide

Concen: 13.713 ug/l

RT: 4.00 min Scan# 693

Delta R.T. -0.03 min

Lab File: VN058385.D

Acq: 26 Sep 2019 14:58

Instrument :

MSVOA_N

ClientSampleId :

VN0926WBS02

Tot Ion: 76 Resp: 51777

Ion Ratio Lower Upper

76 100

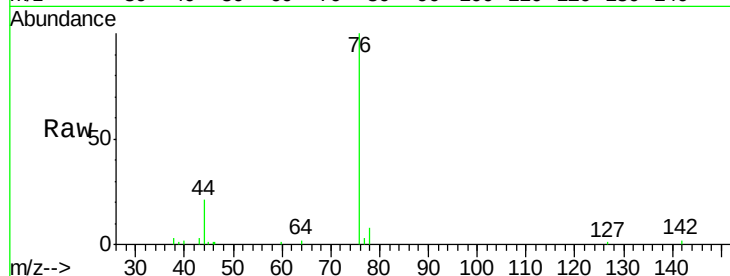
78 8.3 7.7 11.5

Manual Integrations

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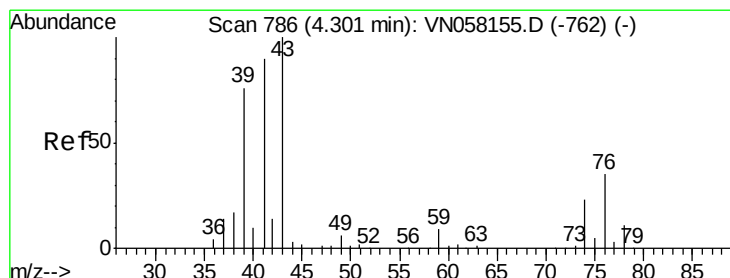
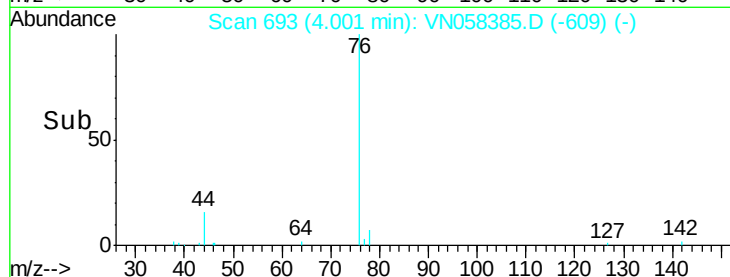
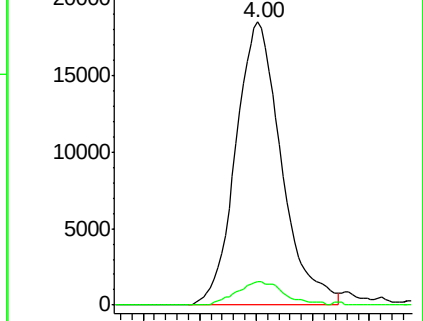
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Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC



#18

Methyl Acetate

Concen: 23.190 ug/l

RT: 4.30 min Scan# 787

Delta R.T. 0.00 min

Lab File: VN058385.D

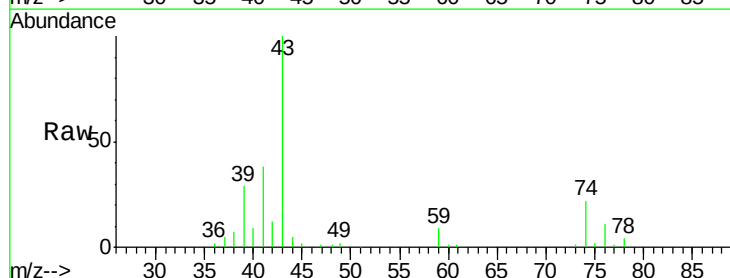
Acq: 26 Sep 2019 14:58

Tgt Ion: 43 Resp: 127977

Ion Ratio Lower Upper

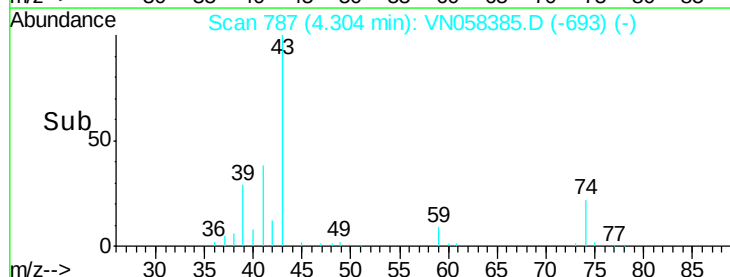
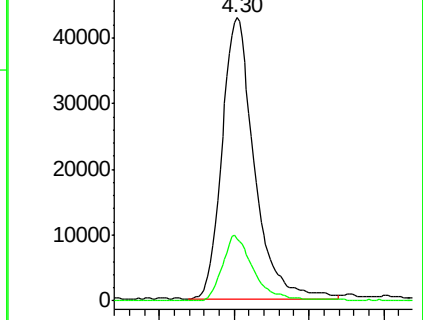
43 100

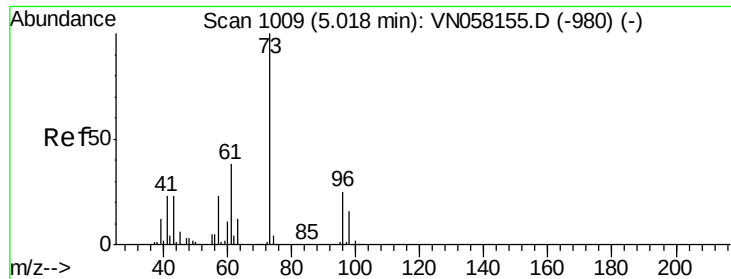
74 21.9 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 74.00 (73.70 to 74.70): VNC





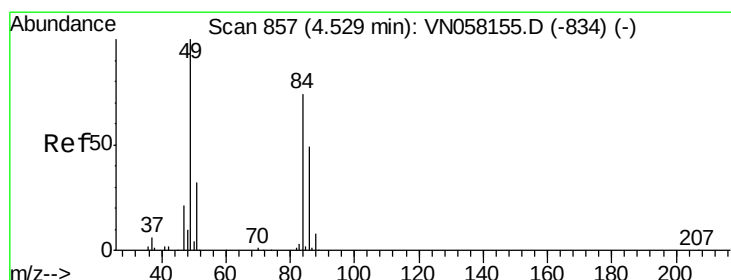
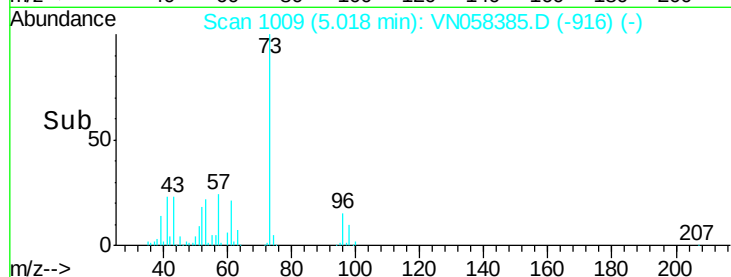
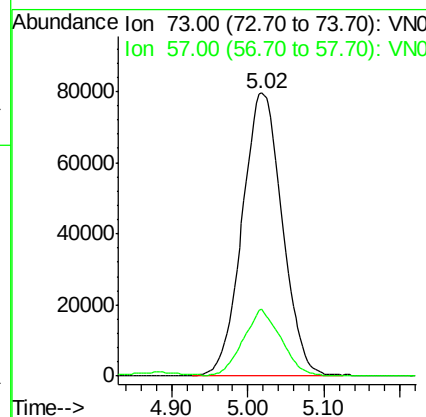
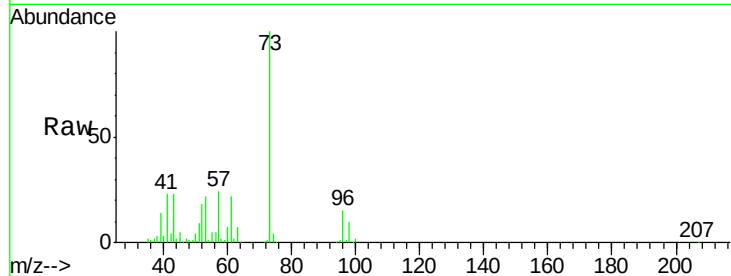
#19
Methyl tert-butyl Ether
Concen: 21.551 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VN058385.D
Acq: 26 Sep 2019 14:58

Instrument :
MSVOA_N
ClientSampleId :
VN0926WBS02

Tot Ion: 73 Resp: 291502
Ion Ratio Lower Upper
73 100
57 23.7 18.1 27.1

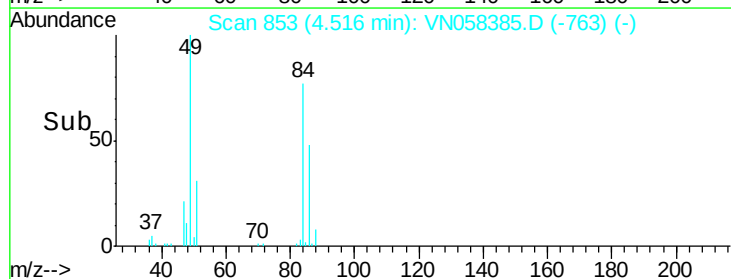
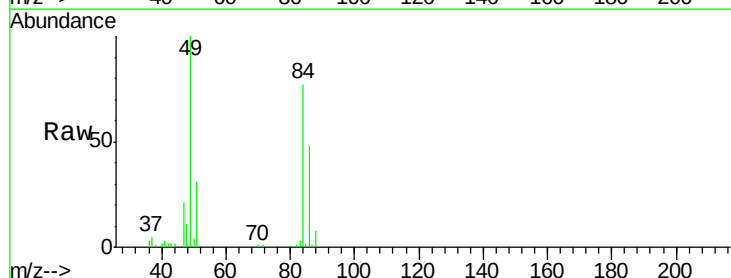
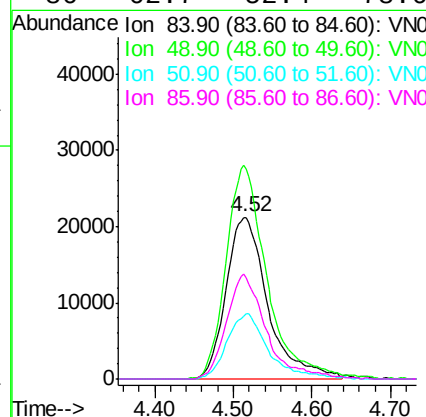
Manual Integrations
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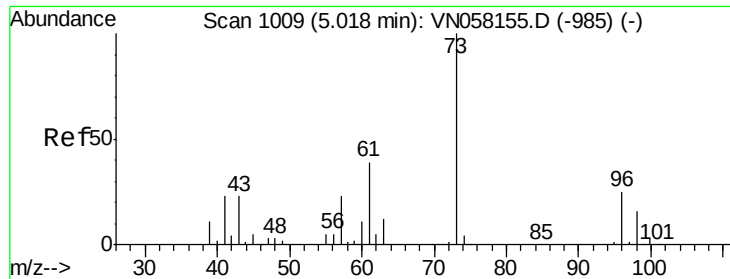
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#20
Methylene Chloride
Concen: 21.143 ug/l
RT: 4.52 min Scan# 853
Delta R.T. -0.01 min
Lab File: VN058385.D
Acq: 26 Sep 2019 14:58

Tgt Ion: 84 Resp: 78105
Ion Ratio Lower Upper
84 100
49 128.9 107.5 161.3
51 40.2 33.9 50.9
86 62.7 52.4 78.6





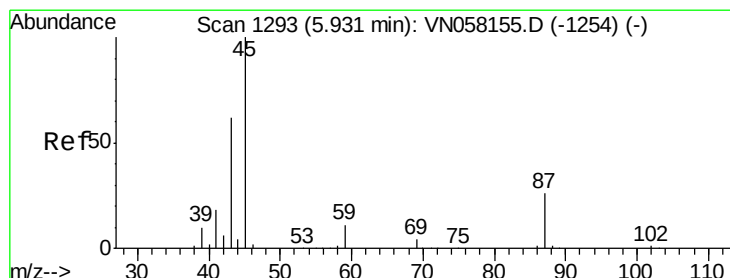
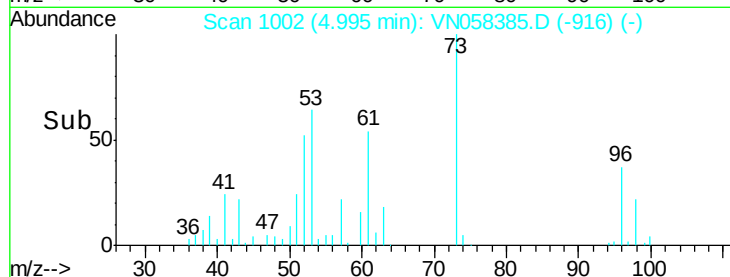
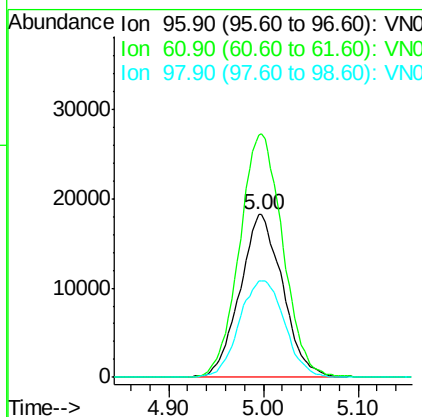
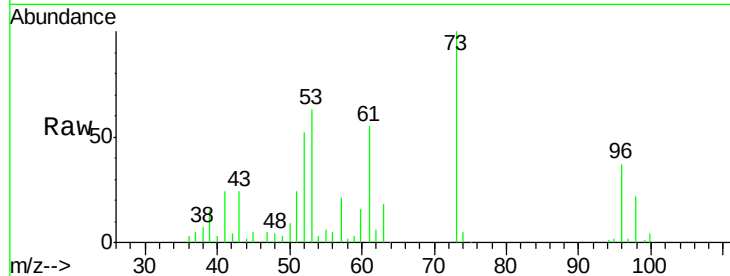
#21
trans-1,2-Dichloroethene
Concen: 19.030 ug/l
RT: 5.00 min Scan# 1002
Delta R.T. -0.02 min
Lab File: VN058385.D
Acq: 26 Sep 2019 14:58

Instrument :
MSVOA_N
ClientSampleId :
VN0926WBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	148.6	122.2	183.4
98	59.2	49.9	74.9

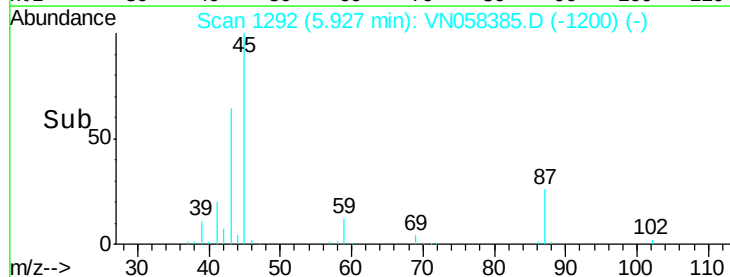
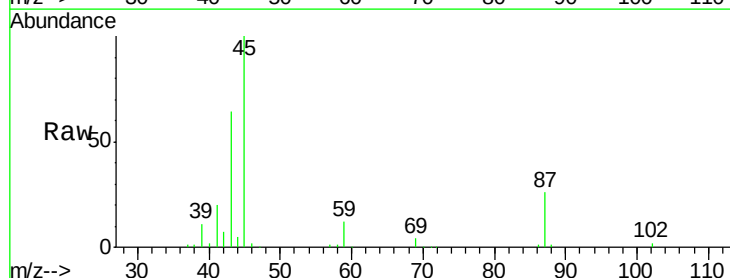
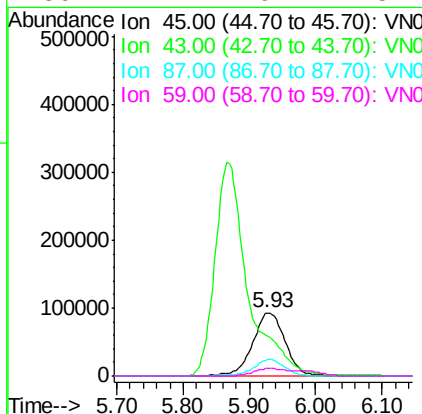
Manual Integrations
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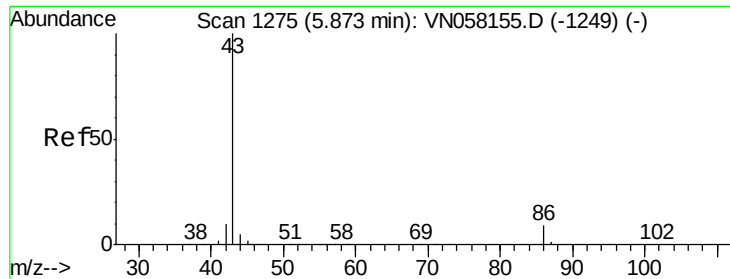
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#22
Diisopropyl ether
Concen: 21.327 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. -0.00 min
Lab File: VN058385.D
Acq: 26 Sep 2019 14:58

Tgt Ion	Ratio	Lower	Upper
45	100		
43	62.9	49.7	74.5
87	25.9	20.7	31.1
59	11.7	9.1	13.7





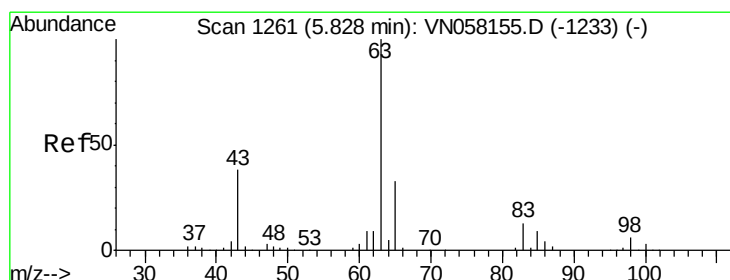
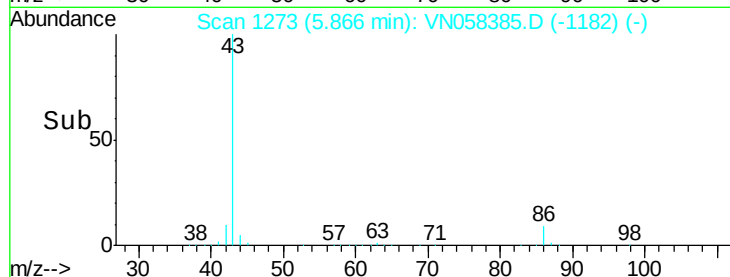
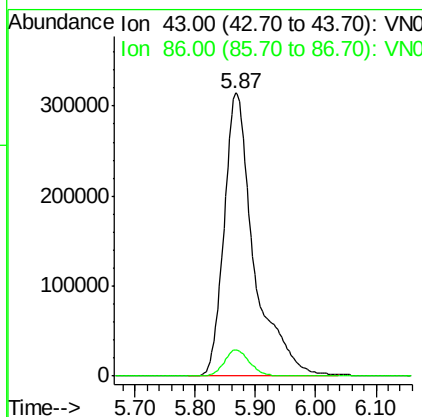
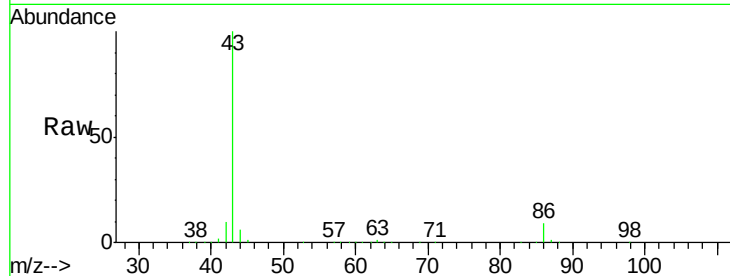
#23
 Vinyl Acetate
 Concen: 106.667 ug/l
 RT: 5.87 min Scan# 1273
 Delta R.T. -0.01 min
 Lab File: VN058385.D
 Acq: 26 Sep 2019 14:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0926WBS02

Tot Ion: 43 Resp: 1088006
 Ion Ratio Lower Upper
 43 100
 86 9.3 7.4 11.2

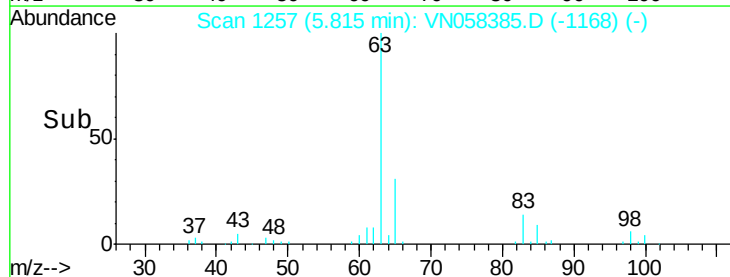
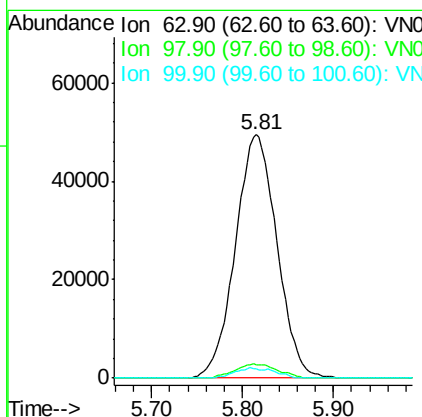
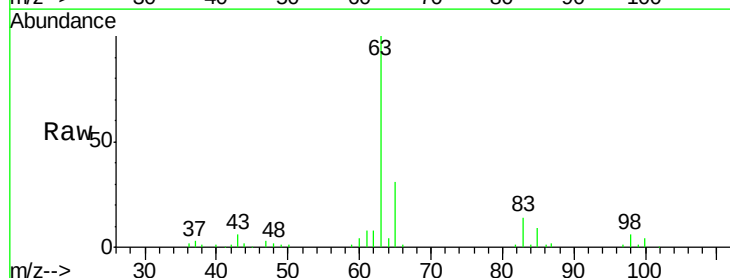
Manual Integrations
 APPROVED

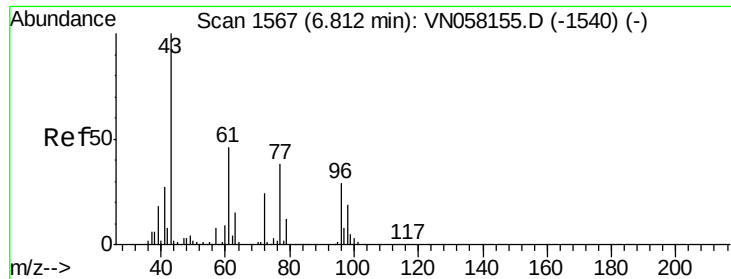
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#24
 1,1-Dichloroethane
 Concen: 19.717 ug/l
 RT: 5.81 min Scan# 1257
 Delta R.T. -0.01 min
 Lab File: VN058385.D
 Acq: 26 Sep 2019 14:58

Tgt Ion: 63 Resp: 156871
 Ion Ratio Lower Upper
 63 100
 98 5.7 2.9 8.6
 100 3.9 1.8 5.3





#25

2-Butanone

Concen: 92.838 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.02 min

Lab File: VN058385.D

Acq: 26 Sep 2019 14:58

Instrument :

MSVOA_N

ClientSampled :

VN0926WBS02

Tot Ion: 43 Resp: 265264

Ion Ratio Lower Upper

43 100

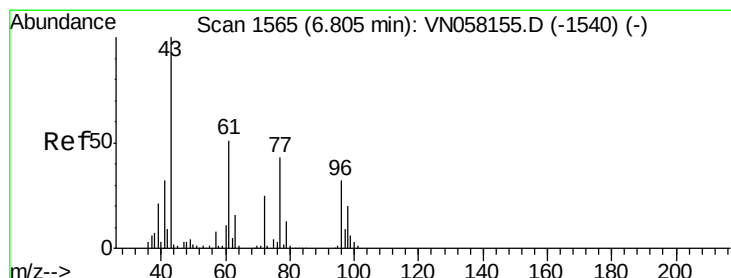
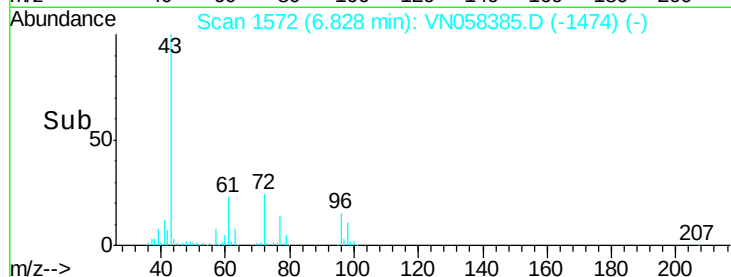
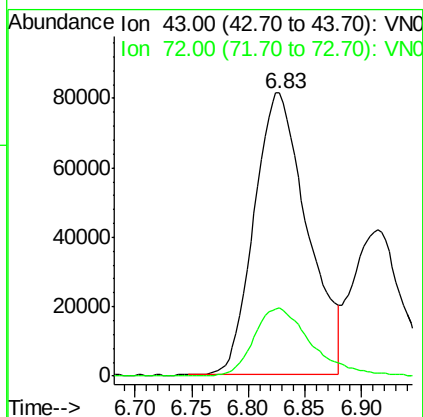
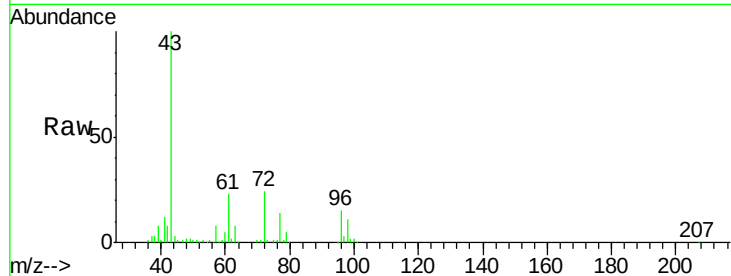
72 24.0 19.5 29.3

Manual Integrations

APPROVED

MMDadoda

9/27/2019 11:19:26 AM



#26

2,2-Dichloropropane

Concen: 17.433 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.01 min

Lab File: VN058385.D

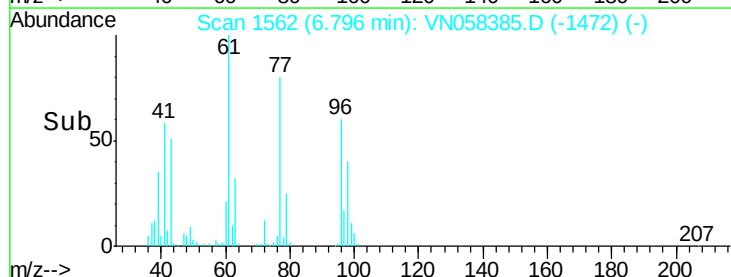
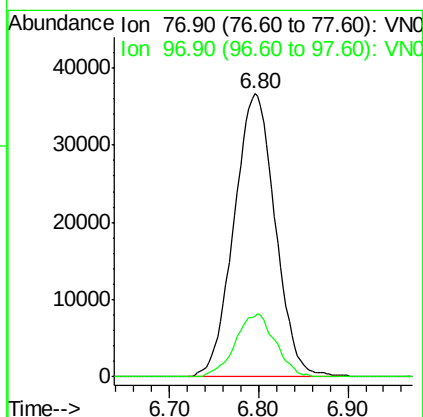
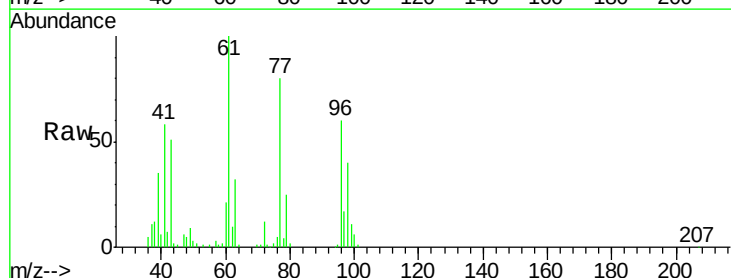
Acq: 26 Sep 2019 14:58

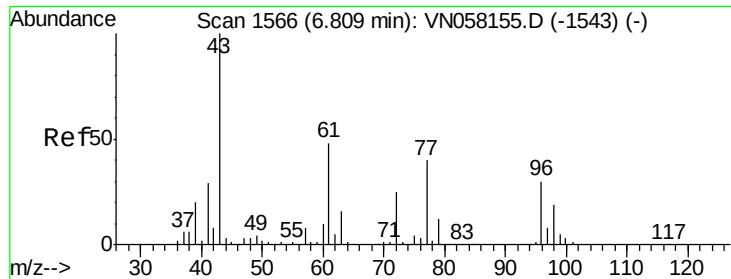
Tgt Ion: 77 Resp: 117667

Ion Ratio Lower Upper

77 100

97 21.6 10.5 31.6





#27

cis-1,2-Dichloroethene

Concen: 19.163 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.01 min

Lab File: VN058385.D

Acq: 26 Sep 2019 14:58

Instrument :

MSVOA_N

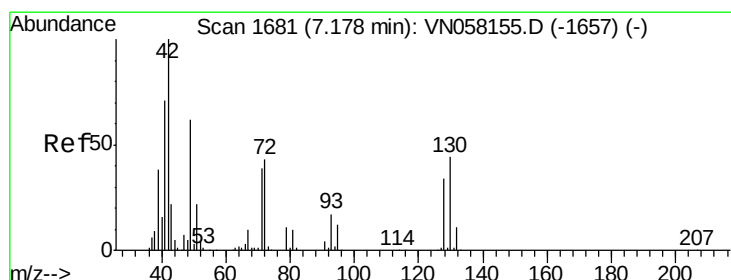
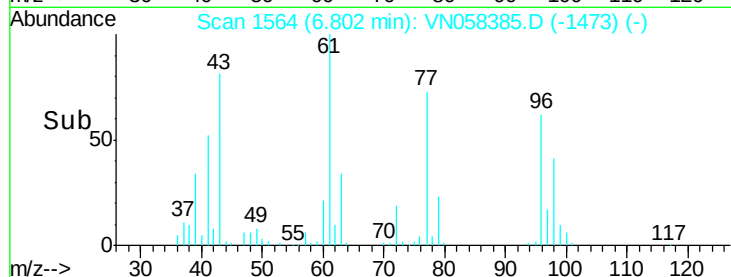
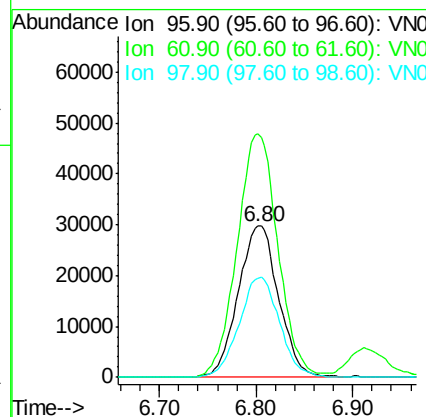
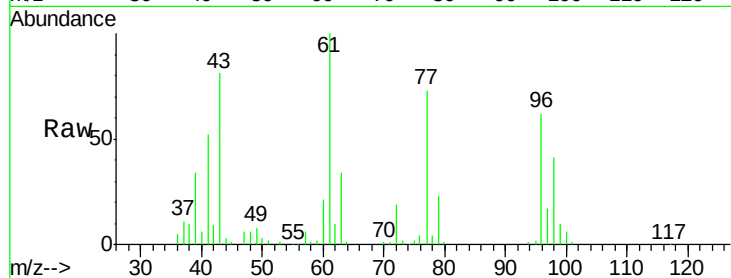
ClientSampleId :

VN0926WBS02

Tot Ion:	96	Resp:	86204
Ion	Ratio	Lower	Upper
96	100		
61	162.1	0.0	319.0
98	66.2	0.0	126.6

Manual Integrations
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#28

Bromochloromethane

Concen: 19.437 ug/l

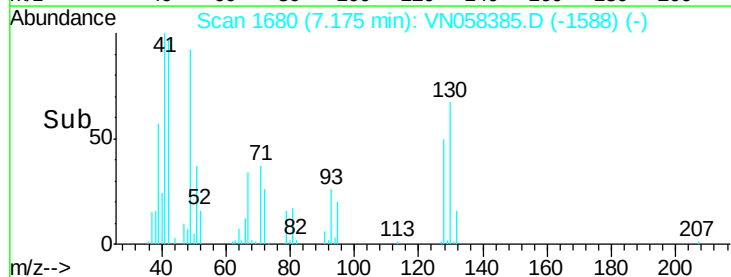
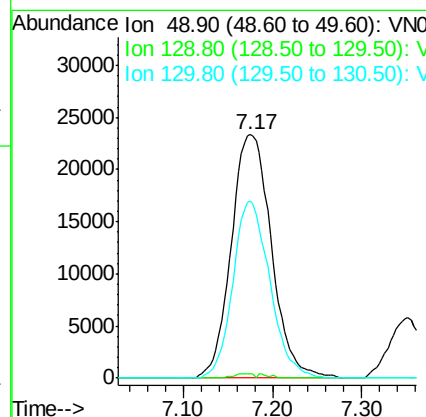
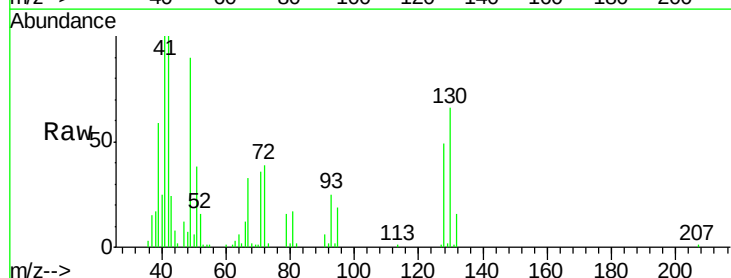
RT: 7.17 min Scan# 1680

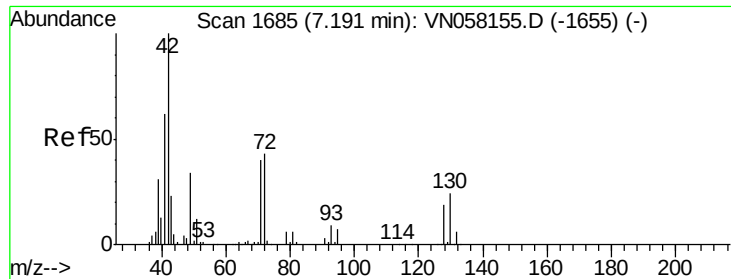
Delta R.T. -0.00 min

Lab File: VN058385.D

Acq: 26 Sep 2019 14:58

Tgt Ion:	49	Resp:	73156
Ion	Ratio	Lower	Upper
49	100		
129	0.8	0.0	1.8
130	66.6	55.4	83.2





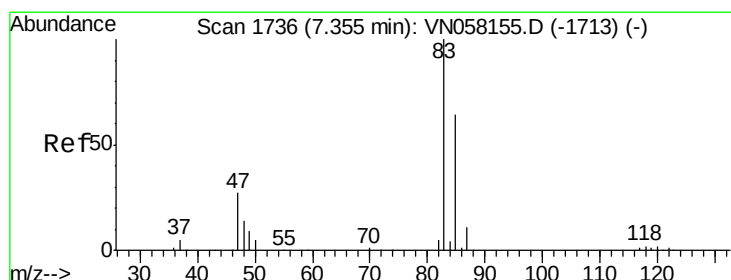
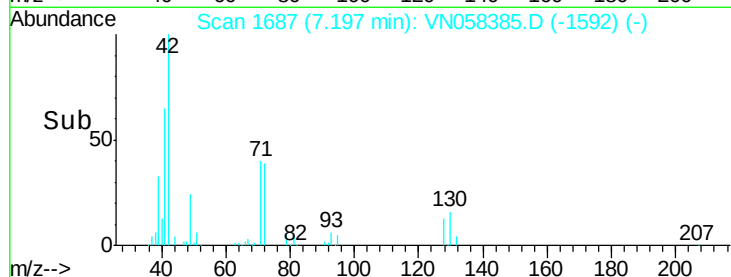
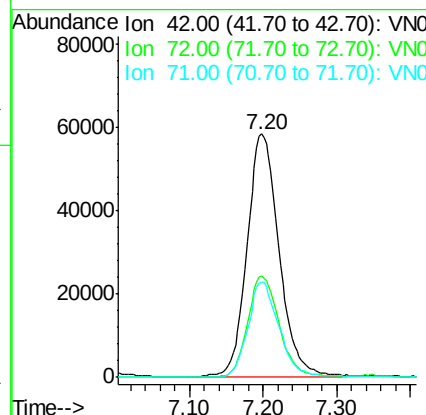
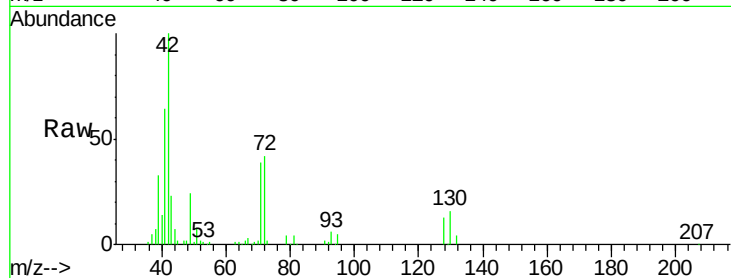
#29
Tetrahydrofuran
Concen: 100.969 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.01 min
Lab File: VN058385.D
Acq: 26 Sep 2019 14:58

Instrument :
MSVOA_N
ClientSampleId :
VN0926WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.0	33.8	50.6
71	37.8	31.4	47.0

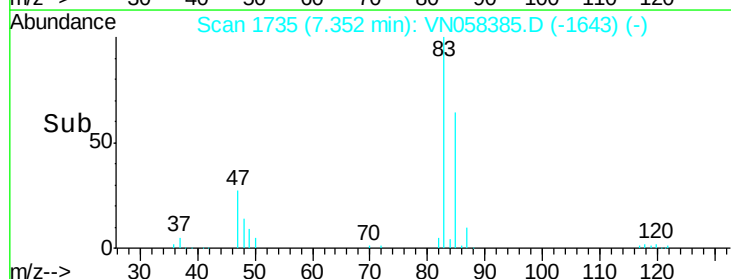
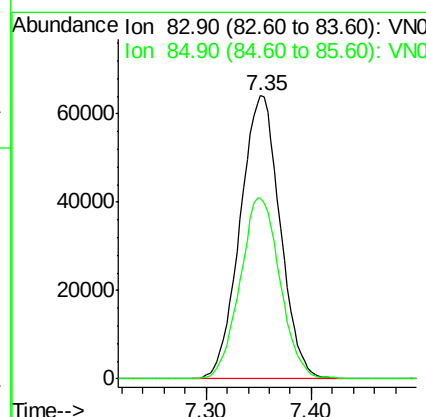
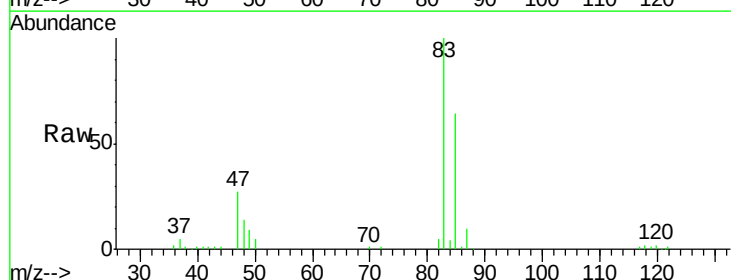
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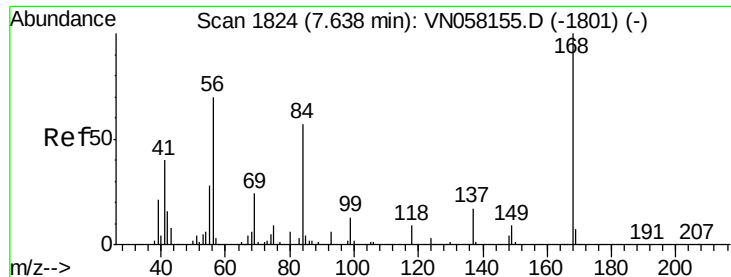
MMDadoda
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#30
Chloroform
Concen: 19.691 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. -0.00 min
Lab File: VN058385.D
Acq: 26 Sep 2019 14:58

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.4	77.2





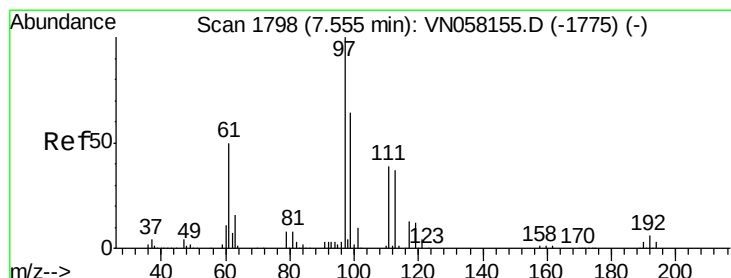
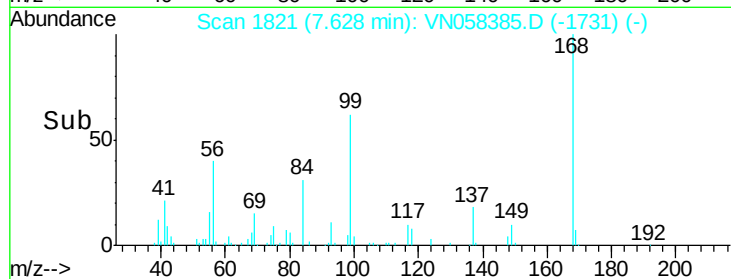
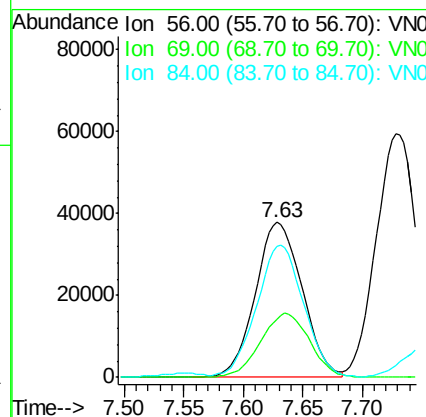
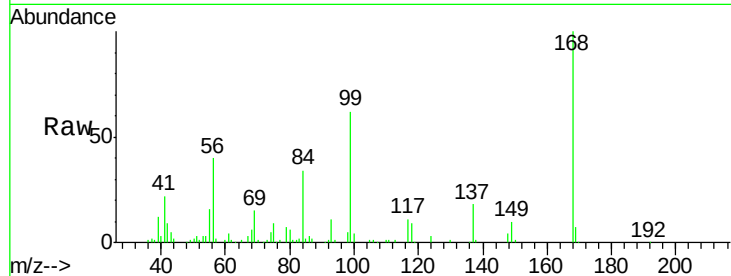
#31
Cyclohexane
Concen: 18.579 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. -0.01 min
Lab File: VN058385.D
Acq: 26 Sep 2019 14:58

Instrument :
MSVOA_N
ClientSampled :
VN0926WBS02

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.3	27.3	40.9
84	82.4	65.0	97.4

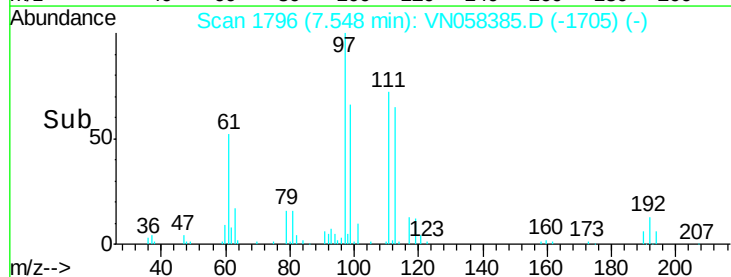
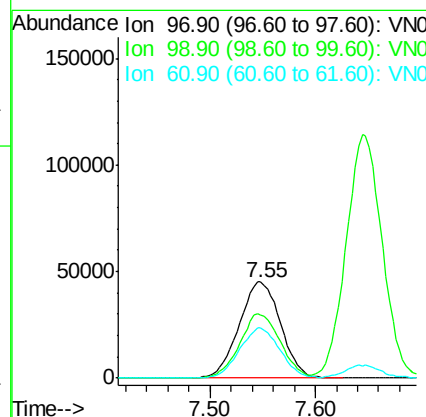
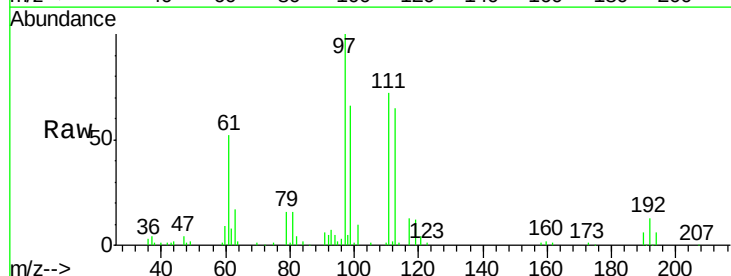
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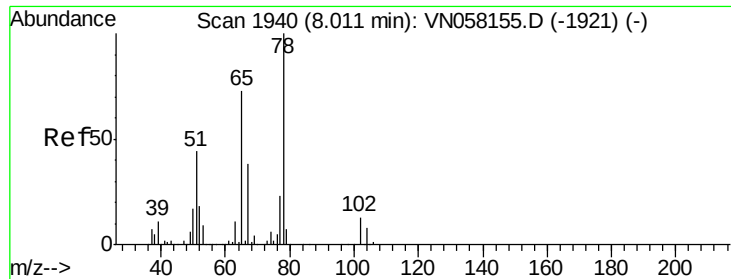
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#32
1,1,1-Trichloroethane
Concen: 18.911 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. -0.01 min
Lab File: VN058385.D
Acq: 26 Sep 2019 14:58

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.3	50.9	76.3
61	50.8	39.2	58.8





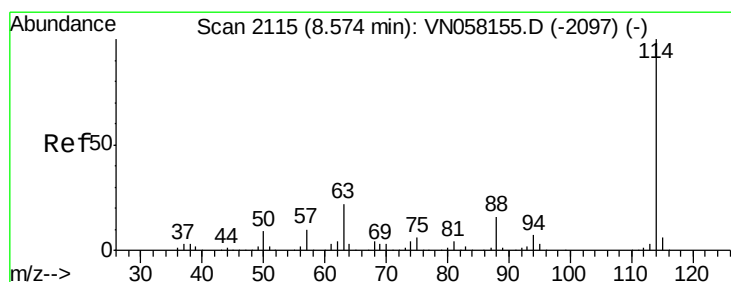
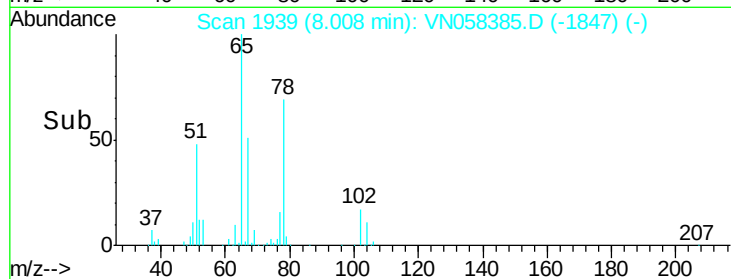
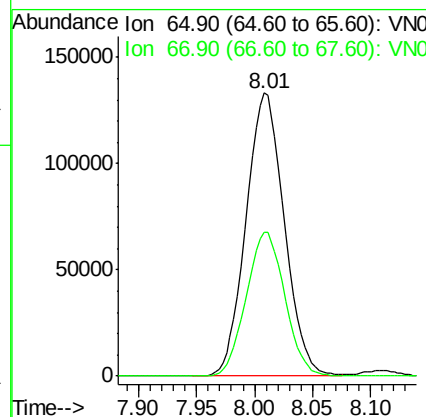
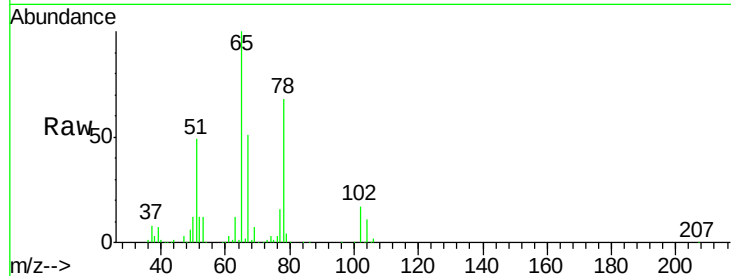
#33
 1,2-Dichloroethane-d4
 Concen: 49.728 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. -0.00 min
 Lab File: VN058385.D
 Acq: 26 Sep 2019 14:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0926WBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	307249		
67	51.3	0.0	103.4	

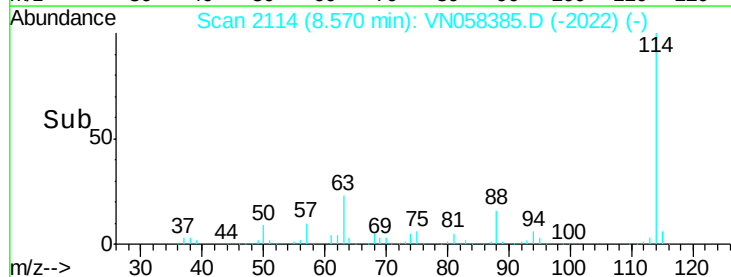
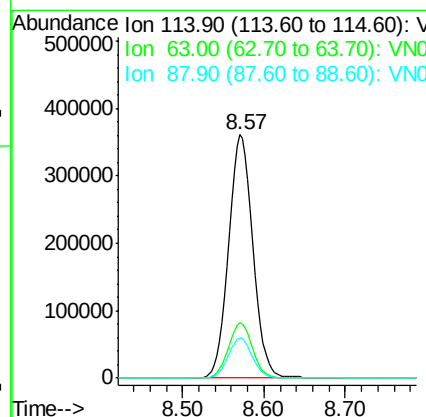
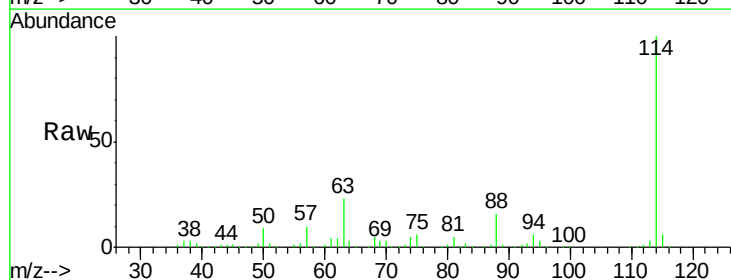
Manual Integrations
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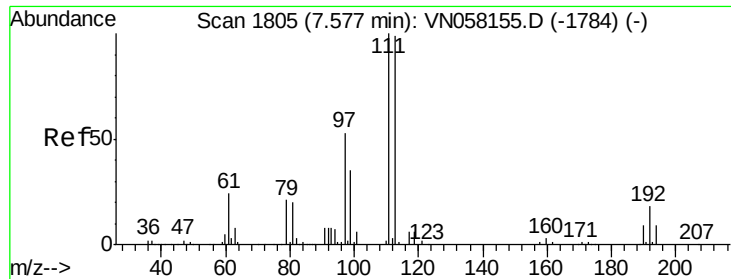
MMDadoda
 9/27/2019 11:19:26 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VN058385.D
 Acq: 26 Sep 2019 14:58

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	761436		
63	22.7	0.0	44.2	
88	16.5	0.0	31.6	





#35

Dibromofluoromethane

Concen: 46.661 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.01 min

Lab File: VN058385.D

Acq: 26 Sep 2019 14:58

Instrument :

MSVOA_N

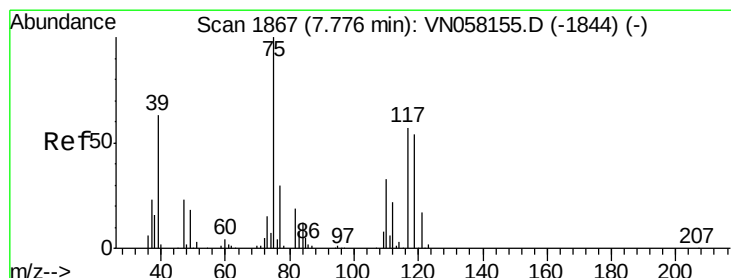
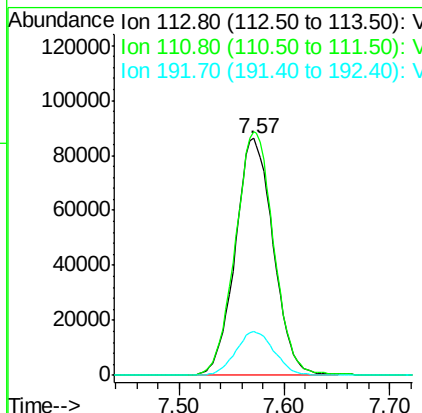
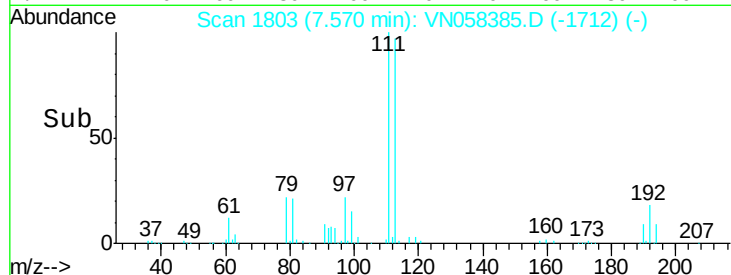
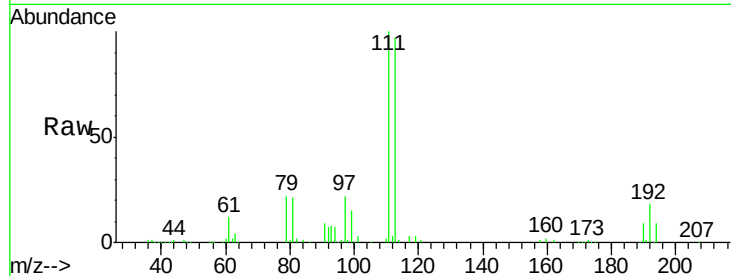
ClientSampleId :

VN0926WBS02

Tot Ion:	113	Resp:	215991
Ion Ratio	Lower	Upper	
113	100		
111	103.5	81.8	122.6
192	18.6	14.5	21.7

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 17.539 ug/l

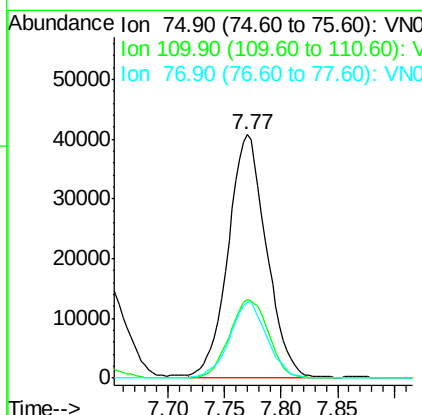
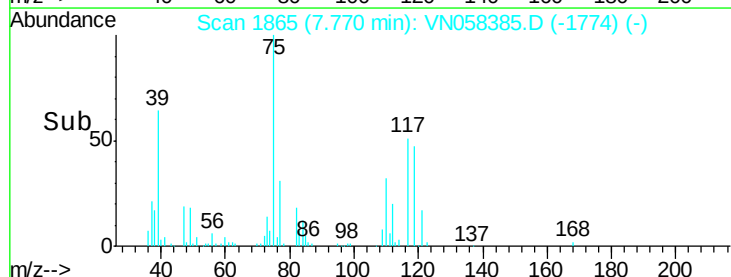
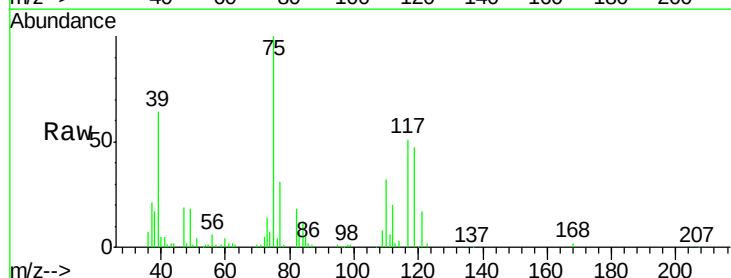
RT: 7.77 min Scan# 1865

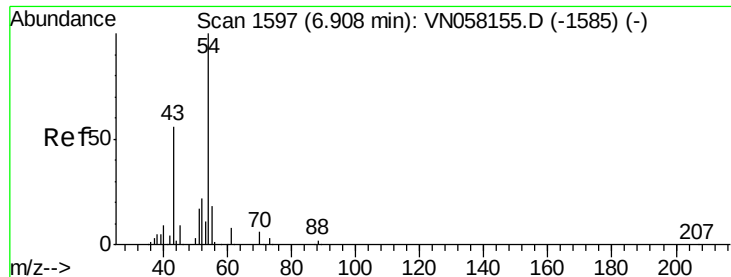
Delta R.T. -0.01 min

Lab File: VN058385.D

Acq: 26 Sep 2019 14:58

Tgt Ion:	75	Resp:	96310
Ion Ratio	Lower	Upper	
75	100		
110	32.6	16.6	49.7
77	30.3	24.3	36.5





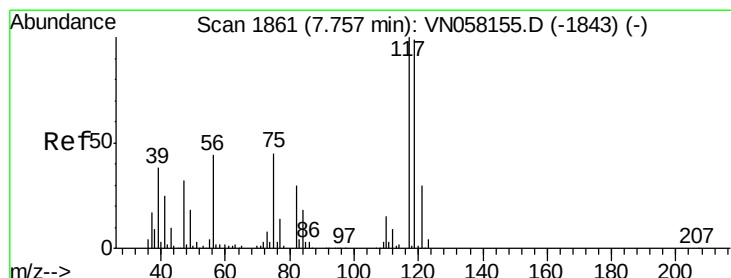
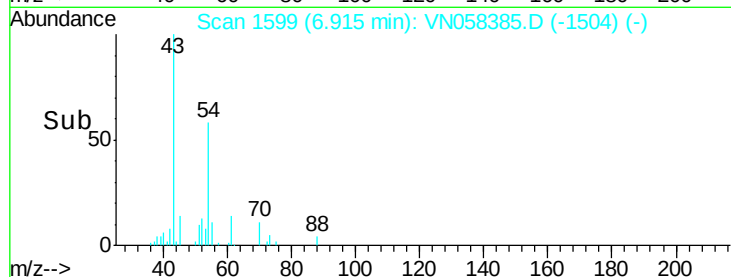
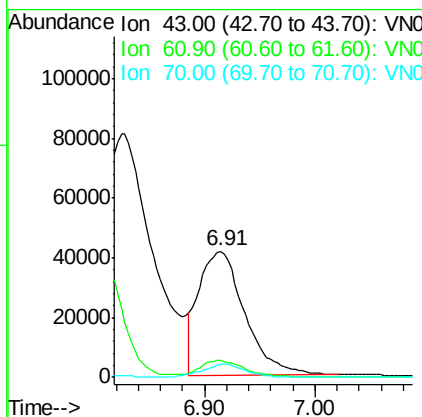
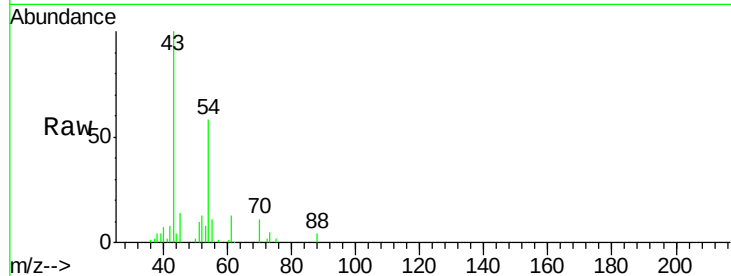
#37
Ethyl Acetate
Concen: 21.064 ug/l
RT: 6.91 min Scan# 1599
Delta R.T. 0.01 min
Lab File: VN058385.D
Acq: 26 Sep 2019 14:58

Instrument :
MSVOA_N
ClientSampleId :
VN0926WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.9	10.7	16.1
70	10.0	7.6	11.4

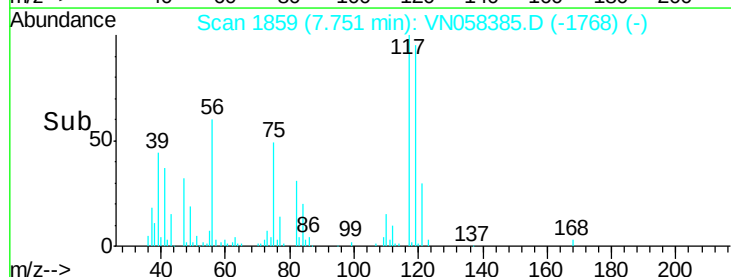
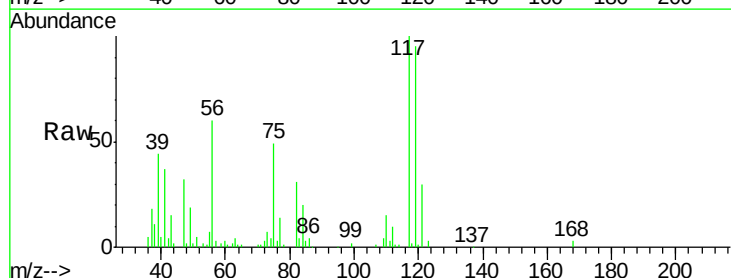
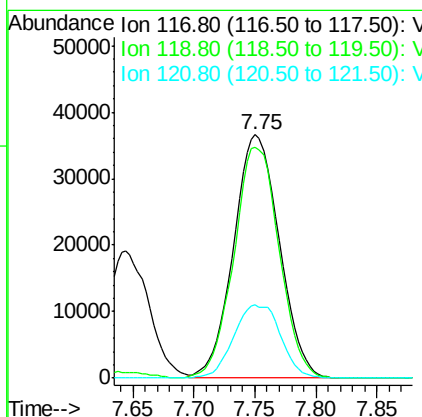
Manual Integrations
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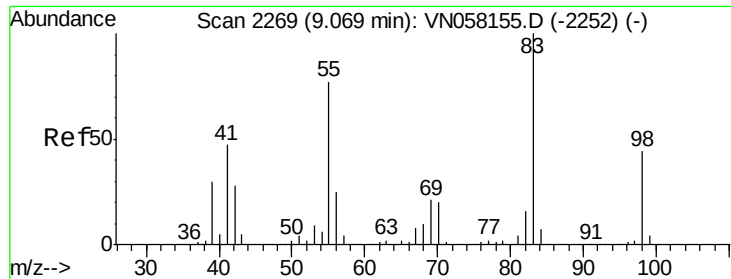
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#38
Carbon Tetrachloride
Concen: 17.257 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.01 min
Lab File: VN058385.D
Acq: 26 Sep 2019 14:58

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.0	78.6	117.8
121	29.9	24.1	36.1





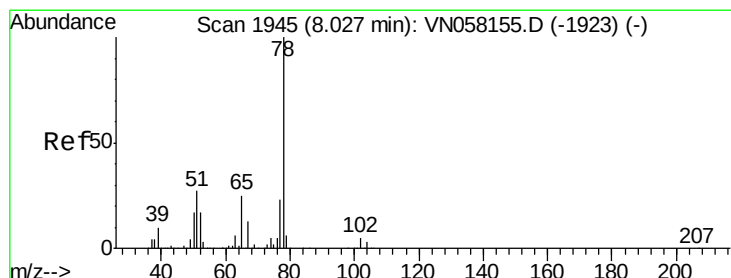
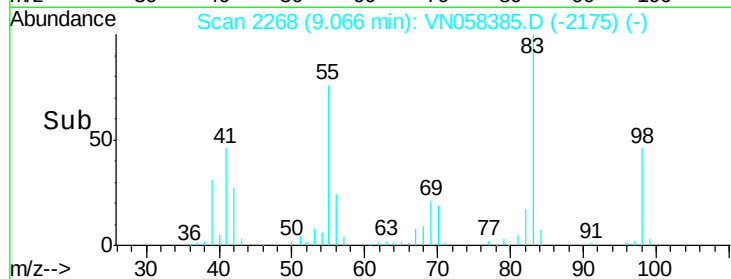
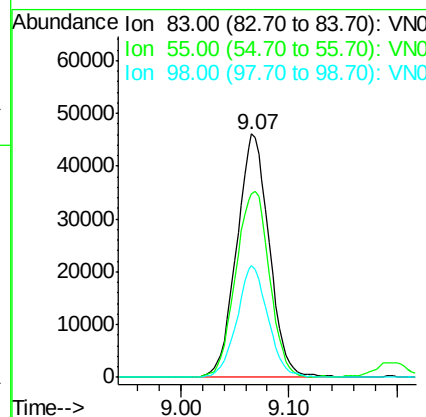
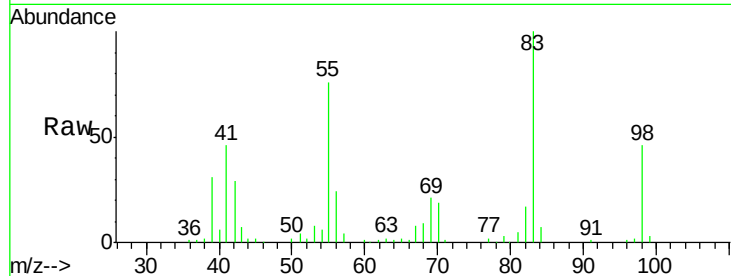
#39
Methylvlcyclohexane
Concen: 18.230 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN058385.D
Acq: 26 Sep 2019 14:58

Instrument :
MSVOA_N
ClientSampleId :
VN0926WBS02

Tot Ion	83	Resp	96547
Ion Ratio	Lower	Upper	
83	100		
55	75.5	61.9	92.9
98	46.0	35.4	53.2

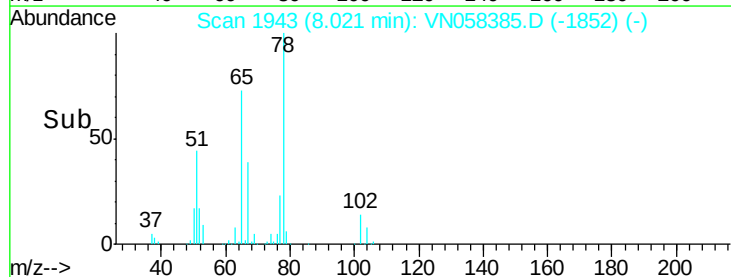
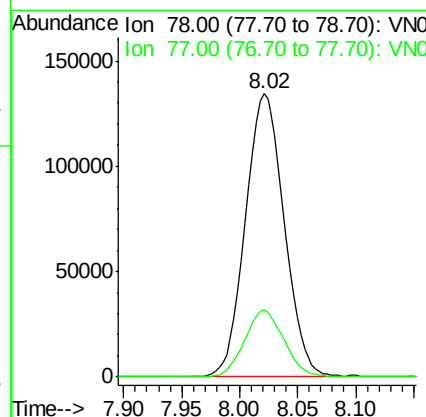
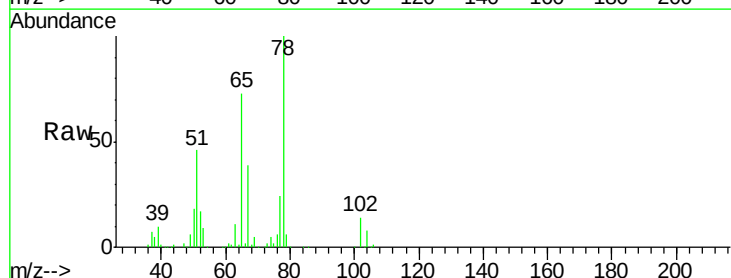
Manual Integrations
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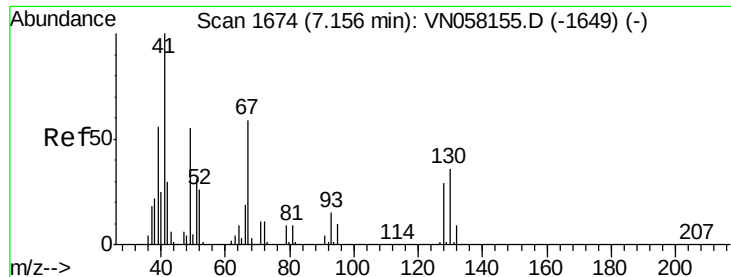
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#40
Benzene
Concen: 18.689 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.01 min
Lab File: VN058385.D
Acq: 26 Sep 2019 14:58

Tgt Ion	78	Resp	313449
Ion Ratio	Lower	Upper	
78	100		
77	23.6	18.8	28.2





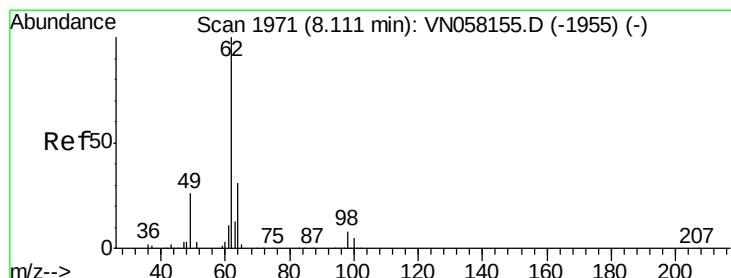
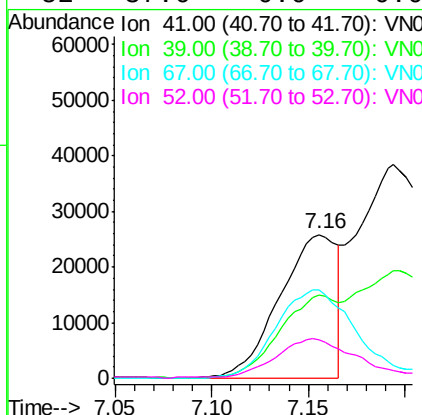
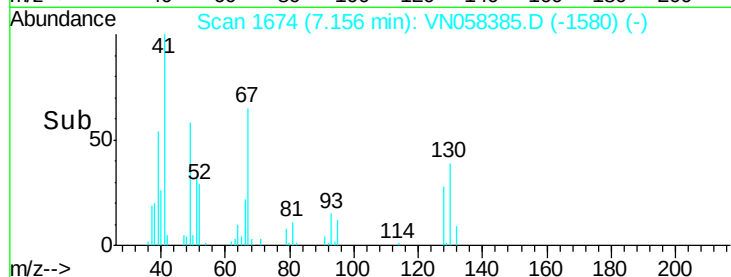
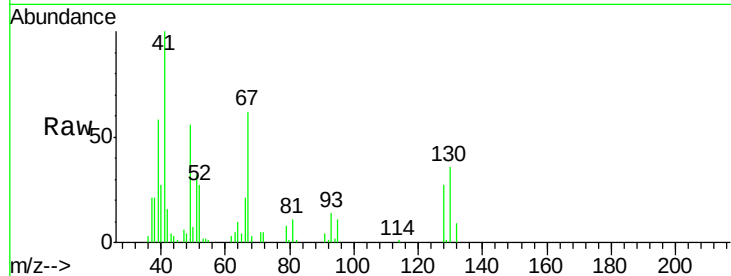
#41
Methacrylonitrile
Concen: 19.115 ug/l
RT: 7.16 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VN058385.D
Acq: 26 Sep 2019 14:58

Instrument :
MSVOA_N
ClientSampleId :
VN0926WBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		53229		
39	57.3	0.0	0.0#		
67	89.6	0.0	0.0#		
52	37.6	0.0	0.0#		

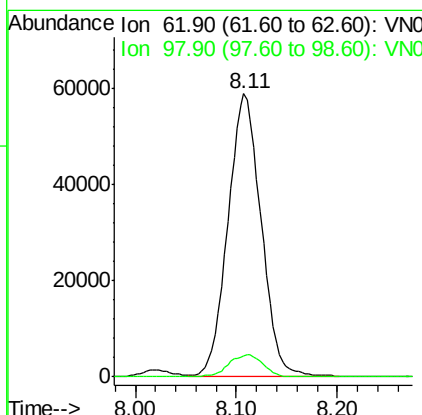
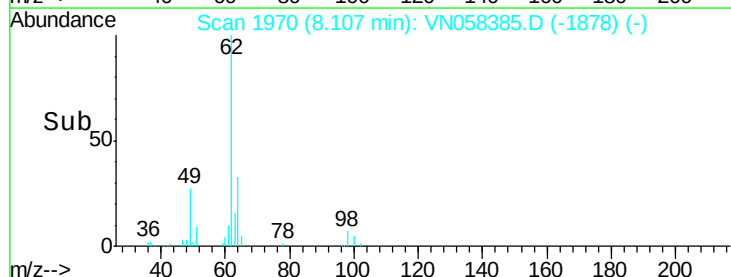
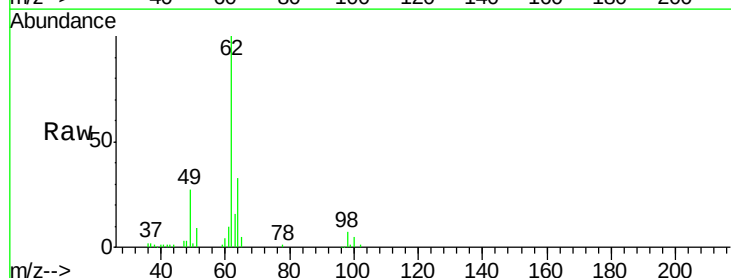
Manual Integrations
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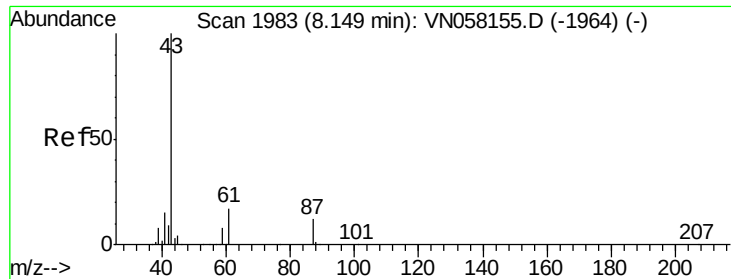
MMDadoda
9/27/2019 11:19:26 AM



#42
1,2-Dichloroethane
Concen: 19.108 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VN058385.D
Acq: 26 Sep 2019 14:58

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		134472		
98	8.1	0.0	15.6		





#43

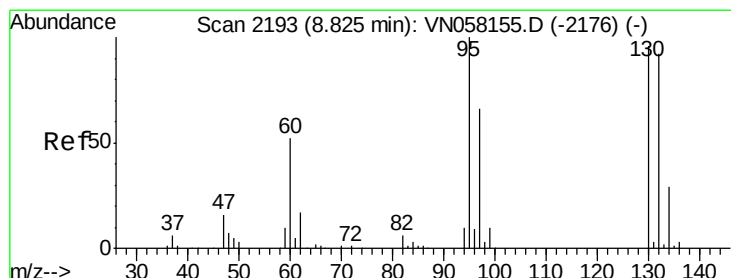
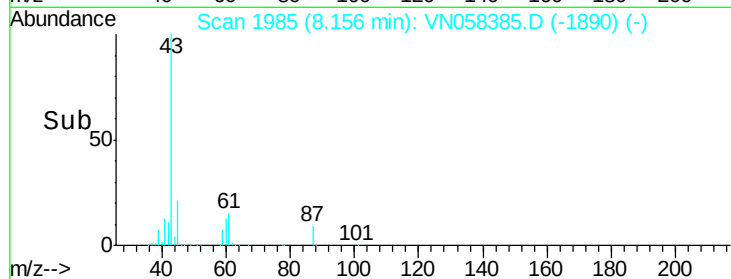
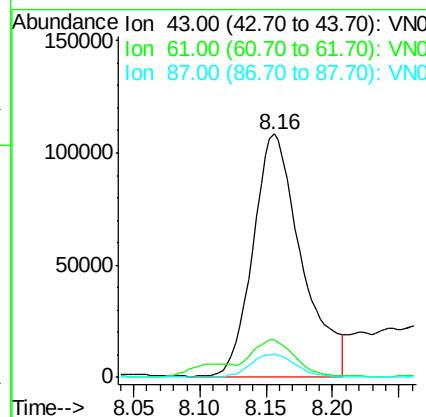
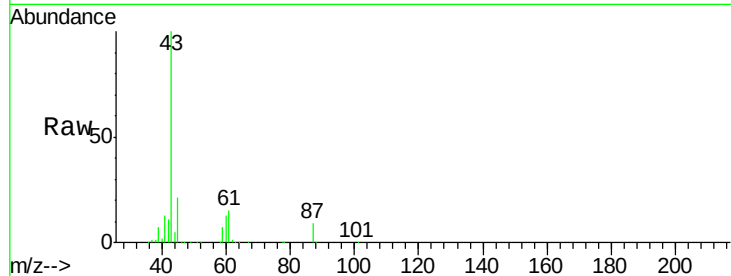
Isopropyl Acetate
 Concen: 25.788 ug/l
 RT: 8.16 min Scan# 1985
 Delta R.T. 0.01 min
 Lab File: VN058385.D
 Acq: 26 Sep 2019 14:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0926WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	19.7	29.5#
87	8.9	9.4	14.2#

Manual Integrations
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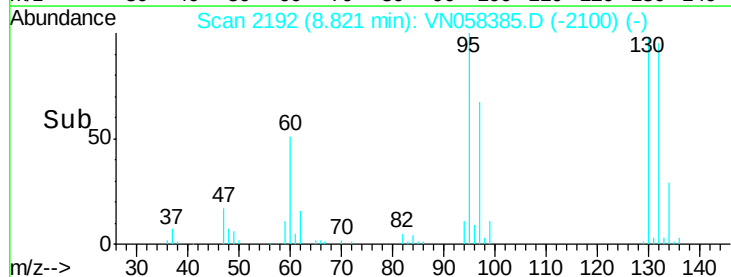
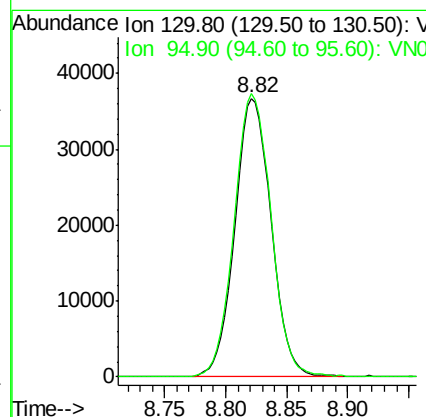
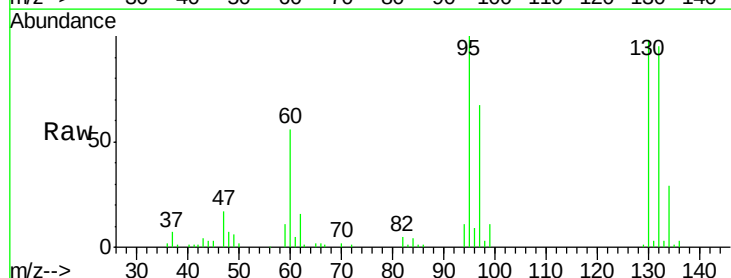
MMDadoda
 9/27/2019 11:19:26 AM

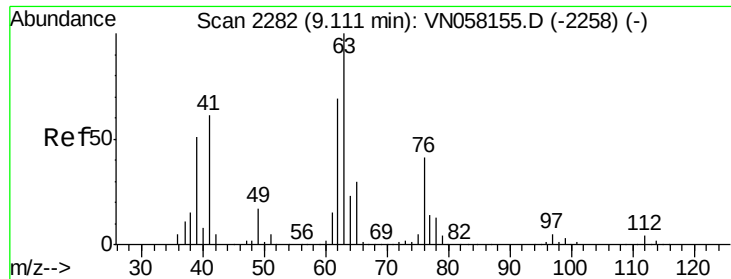


#44

Trichloroethene
 Concen: 18.472 ug/l
 RT: 8.82 min Scan# 2192
 Delta R.T. -0.00 min
 Lab File: VN058385.D
 Acq: 26 Sep 2019 14:58

Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.6	0.0	207.8





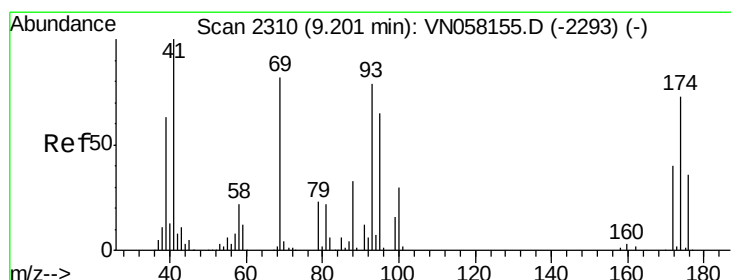
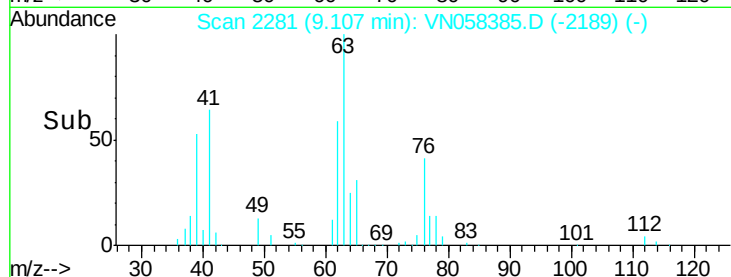
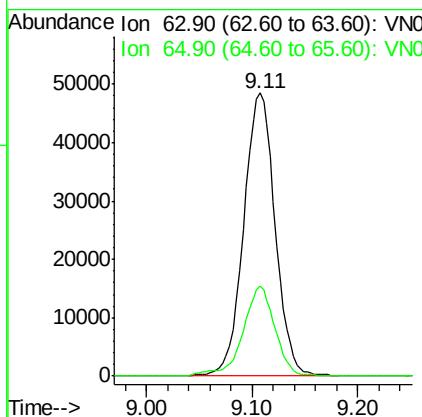
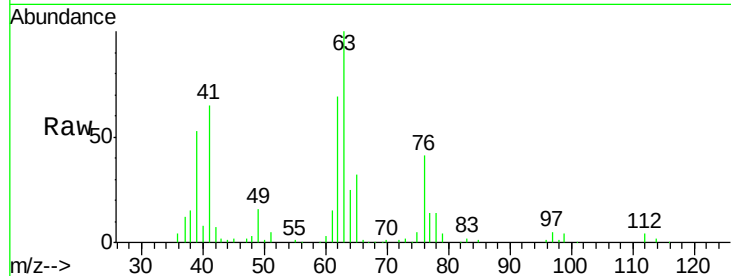
#45
 1,2-Dichloropropane
 Concen: 20.064 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. -0.00 min
 Lab File: VN058385.D
 Acq: 26 Sep 2019 14:58

Instrument :
 MSVOA_N
 ClientSampled :
 VN0926WBS02

Tot Ion: 63 Resp: 100493
 Ion Ratio Lower Upper
 63 100
 65 31.7 23.8 35.6

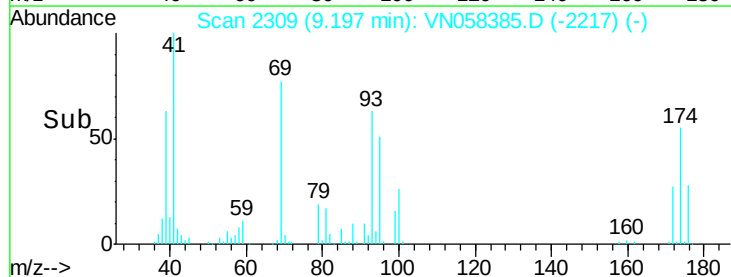
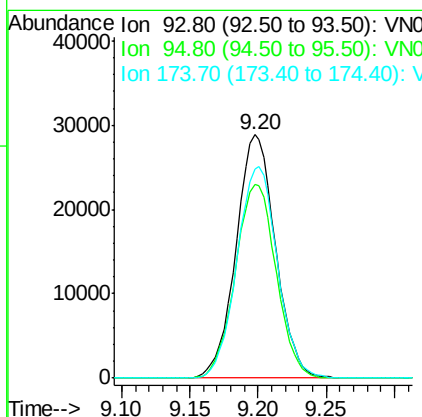
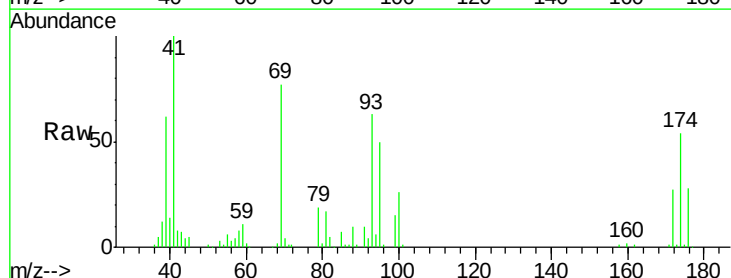
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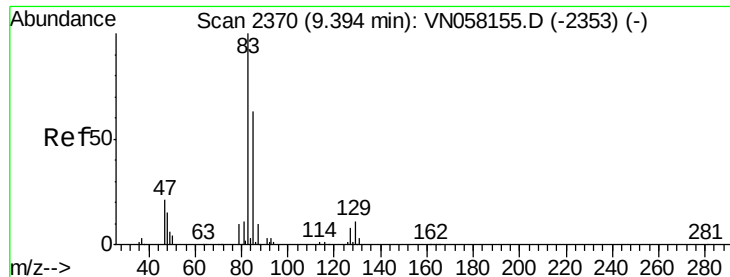
MMDadoda
 9/27/2019 11:19:26 AM



#46
 Dibromomethane
 Concen: 19.032 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN058385.D
 Acq: 26 Sep 2019 14:58

Tgt Ion: 93 Resp: 57956
 Ion Ratio Lower Upper
 93 100
 95 82.0 66.8 100.2
 174 89.0 73.8 110.8





#47

Bromodichloromethane

Concen: 18.119 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN058385.D

Acq: 26 Sep 2019 14:58

Instrument :

MSVOA_N

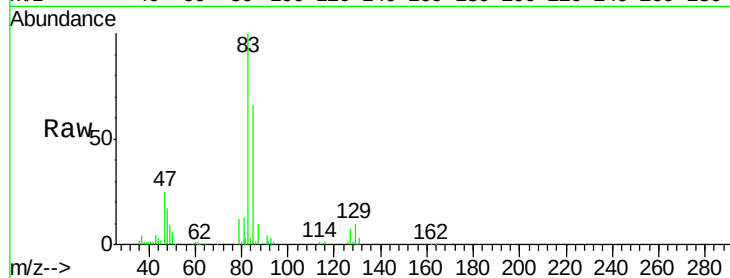
ClientSampleId :

VN0926WBS02

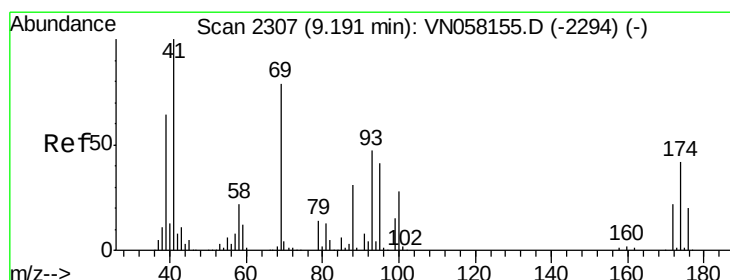
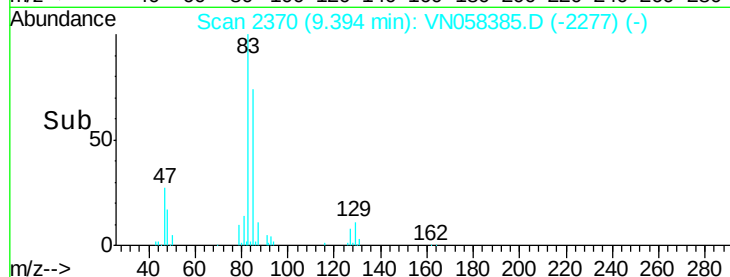
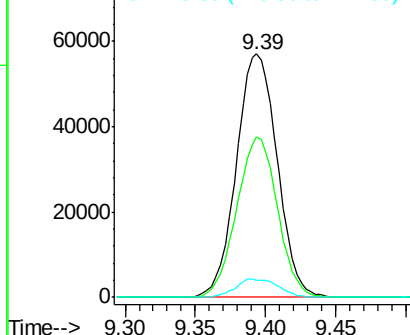
Tot Ion:	83	Resp:	115589
Ion	Ratio	Lower	Upper
83	100		
85	65.7	50.1	75.1
127	7.2	6.4	9.6

Manual Integrations
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MMDadoda
9/27/2019 11:19:26 AM



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 19.541 ug/l

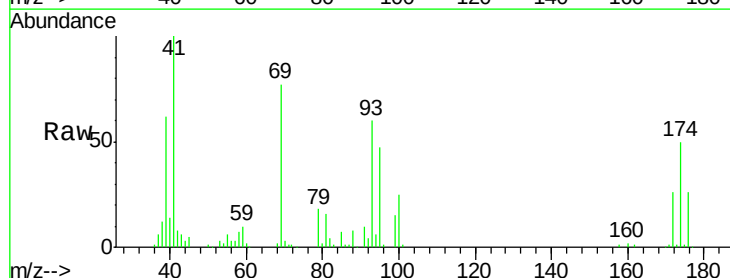
RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

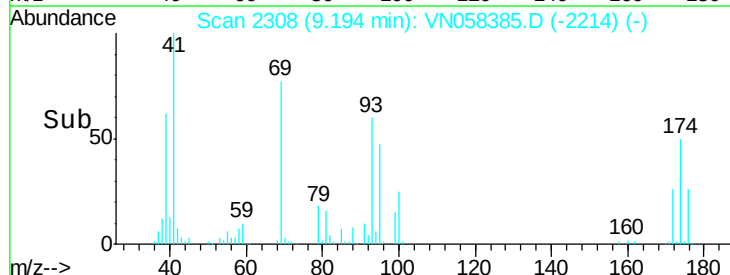
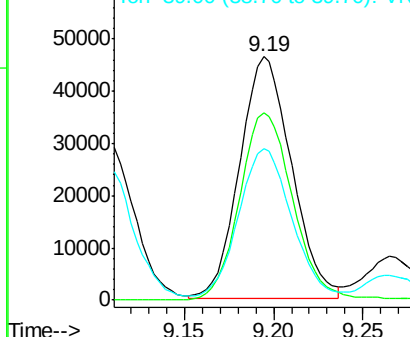
Lab File: VN058385.D

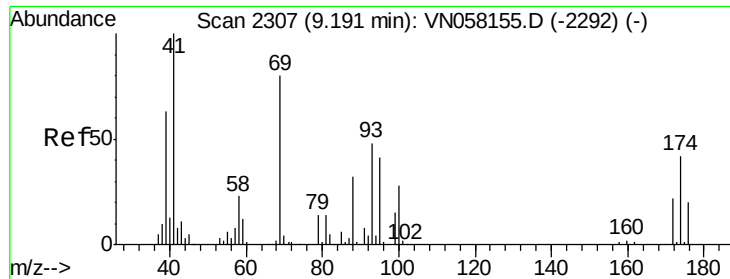
Acq: 26 Sep 2019 14:58

Tgt Ion:	41	Resp:	94424
Ion	Ratio	Lower	Upper
41	100		
69	79.7	62.5	93.7
39	64.6	52.3	78.5



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





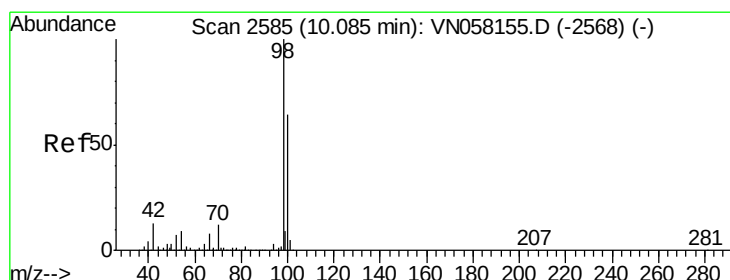
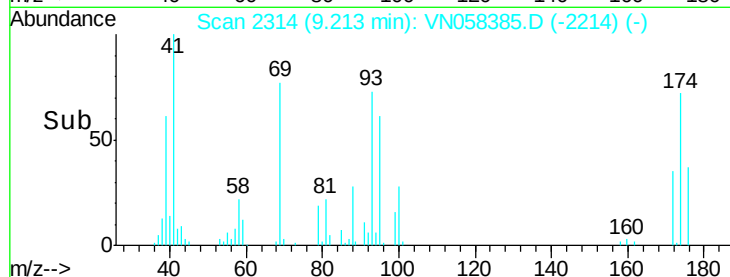
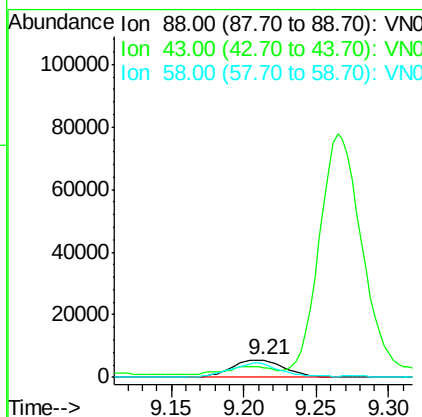
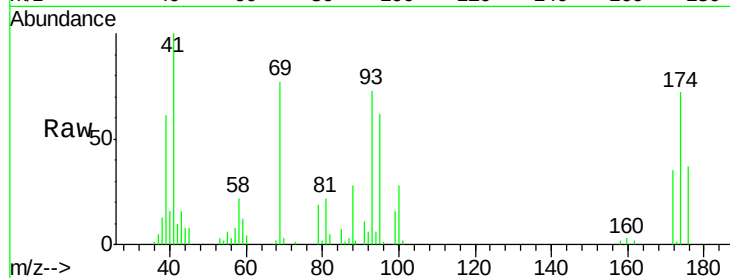
#49
 1,4-Dioxane
 Concen: 179.087 ug/l
 RT: 9.21 min Scan# 2314
 Delta R.T. 0.02 min
 Lab File: VN058385.D
 Acq: 26 Sep 2019 14:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0926WBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.8	27.8	41.8
58	77.1	55.0	82.4

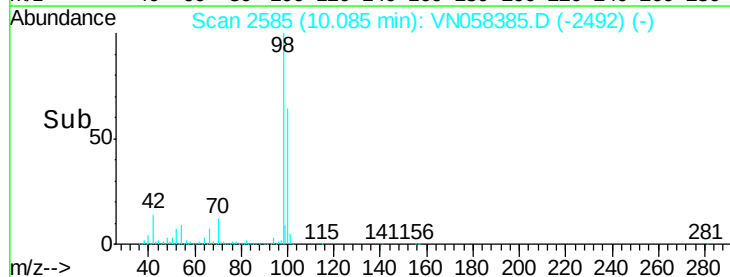
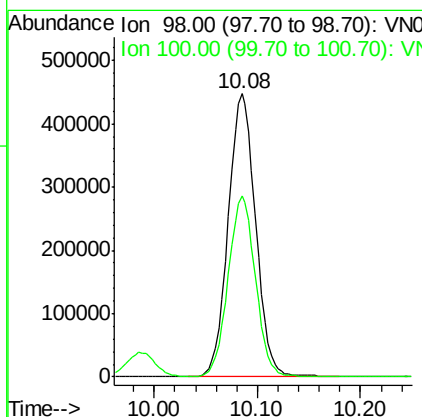
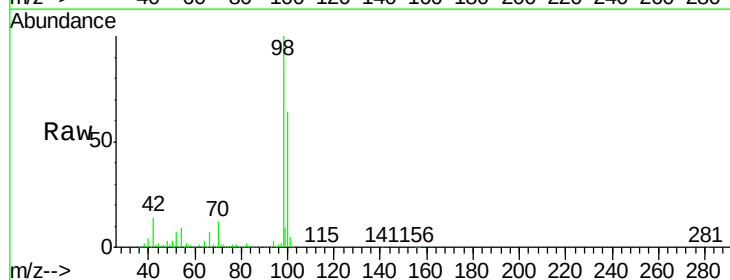
Manual Integrations
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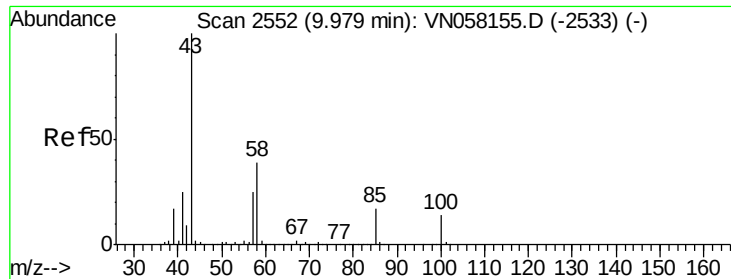
MMDadoda
 9/27/2019 11:19:26 AM



#50
 Toluene-d8
 Concen: 45.976 ug/l
 RT: 10.08 min Scan# 2585
 Delta R.T. -0.00 min
 Lab File: VN058385.D
 Acq: 26 Sep 2019 14:58

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.3	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 105.932 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.01 min

Lab File: VN058385.D

Acq: 26 Sep 2019 14:58

Instrument :

MSVOA_N

ClientSampled :

VN0926WBS02

Tot Ion: 43 Resp: 598823

Ion Ratio Lower Upper

43 100

58 37.1

30.2

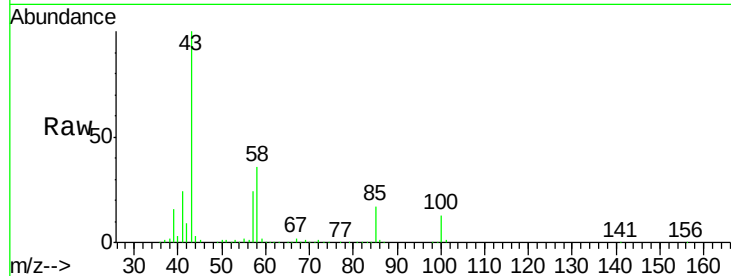
45.4

Manual Integrations

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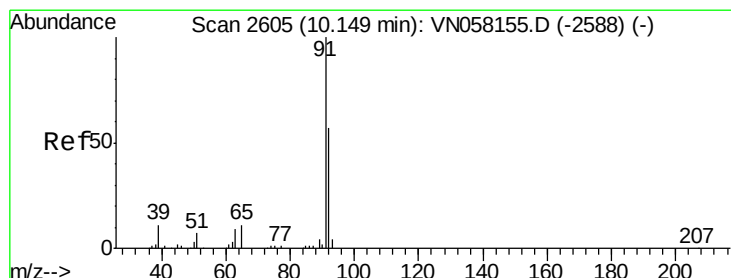
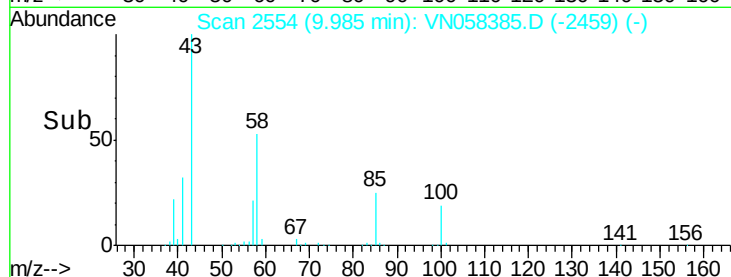
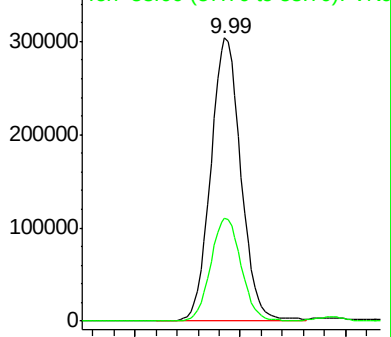
MMDadoda

9/27/2019 11:19:26 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 18.249 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN058385.D

Acq: 26 Sep 2019 14:58

Tgt Ion: 92 Resp: 191813

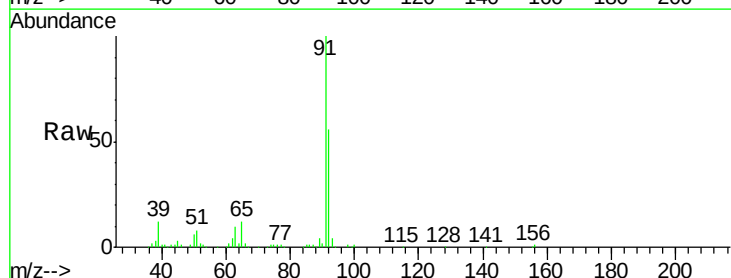
Ion Ratio Lower Upper

92 100

91 176.9

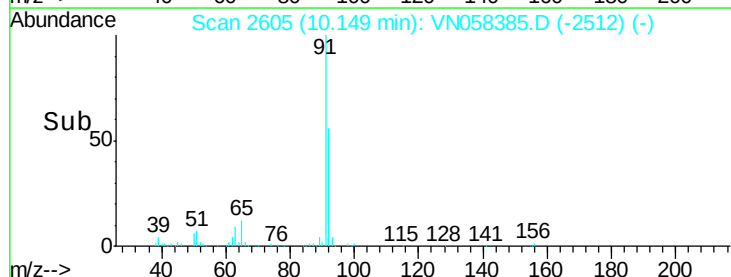
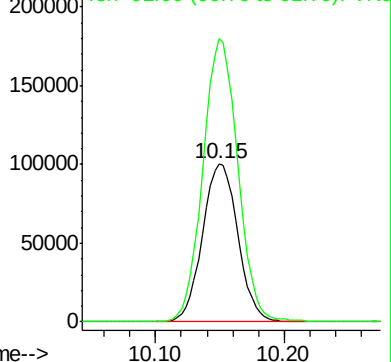
140.2

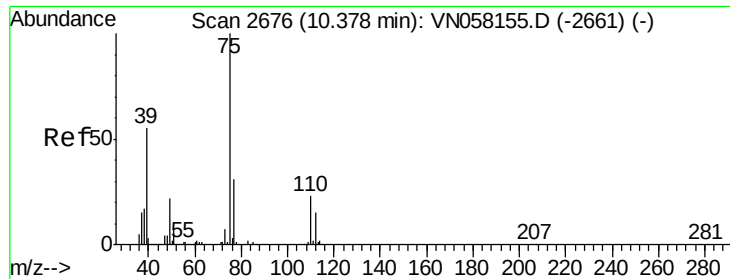
210.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





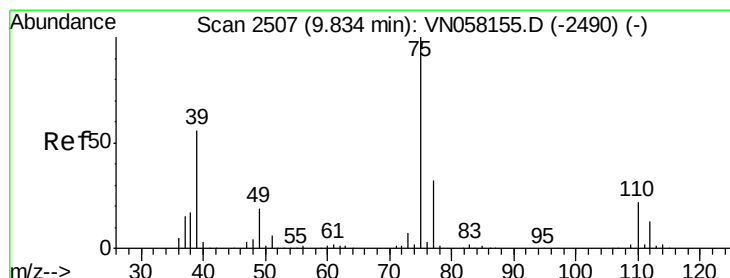
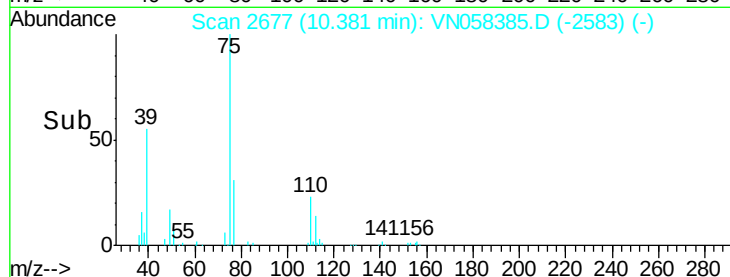
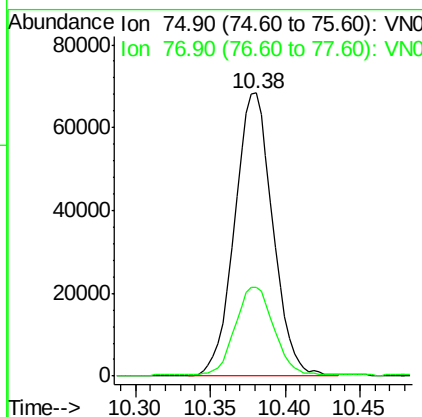
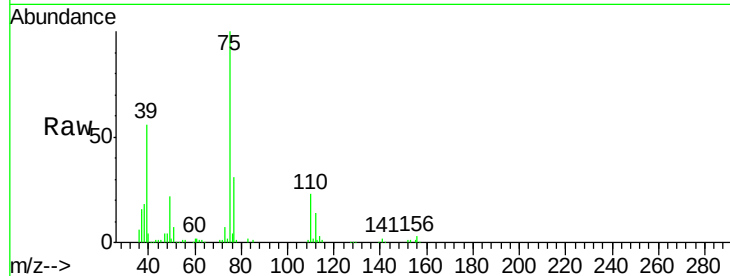
#53
 t-1,3-Dichloropropene
 Concen: 18.588 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. 0.00 min
 Lab File: VN058385.D
 Acq: 26 Sep 2019 14:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0926WBS02

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.8	24.9	37.3

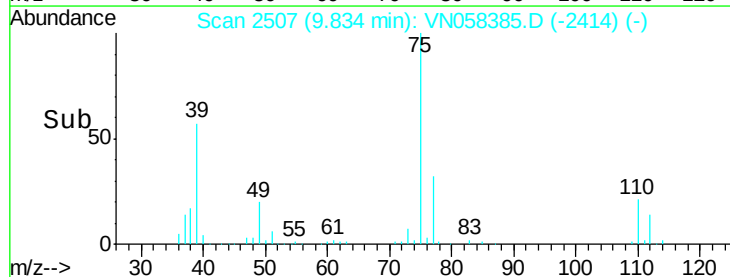
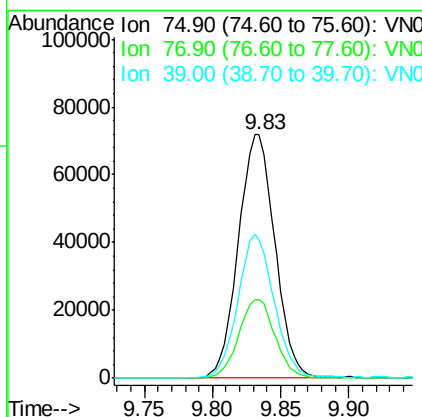
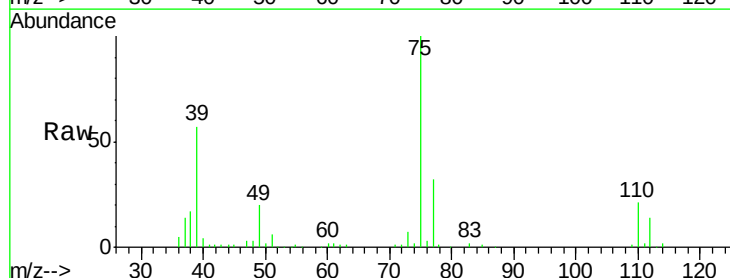
Manual Integrations
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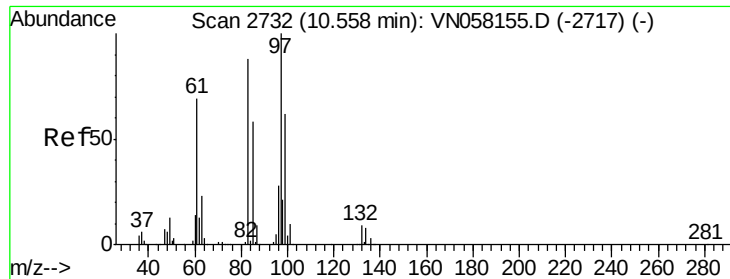
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#54
 cis-1,3-Dichloropropene
 Concen: 18.557 ug/l
 RT: 9.83 min Scan# 2507
 Delta R.T. -0.00 min
 Lab File: VN058385.D
 Acq: 26 Sep 2019 14:58

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.4	38.0
39	56.9	45.0	67.6





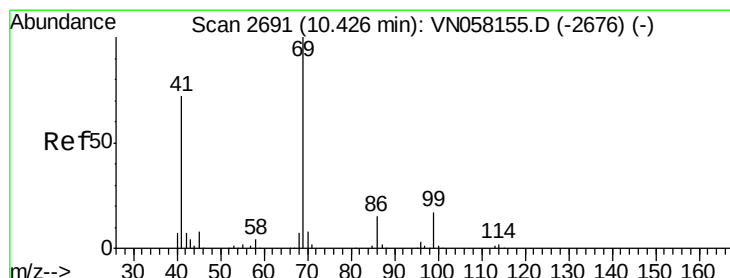
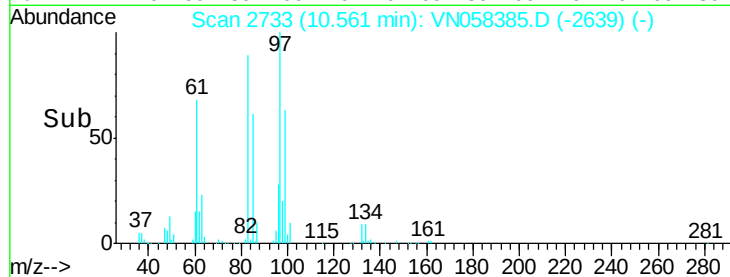
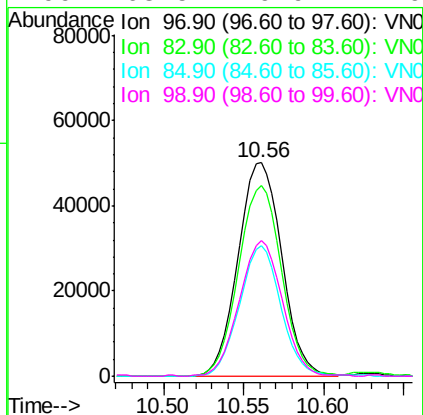
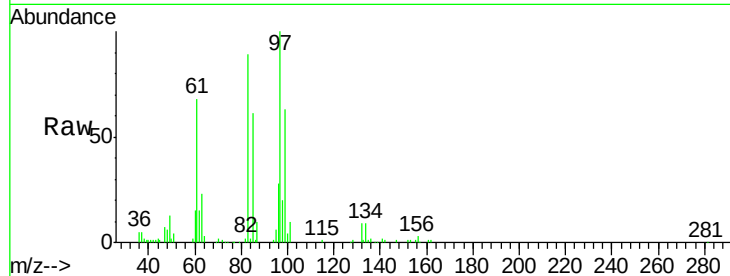
#55
 1,1,2-Trichloroethane
 Concen: 20.050 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN058385.D
 Acq: 26 Sep 2019 14:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0926WBS02

Tot Ion:	97	Resp:	93523
Ion	Ratio	Lower	Upper
97	100		
83	89.4	70.4	105.6
85	61.0	46.8	70.2
99	63.5	49.9	74.9

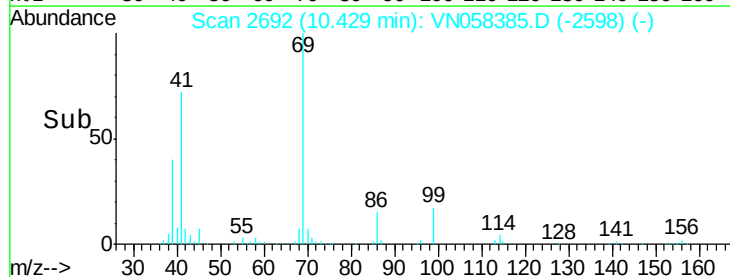
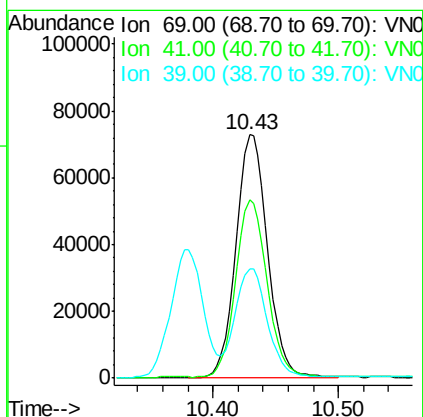
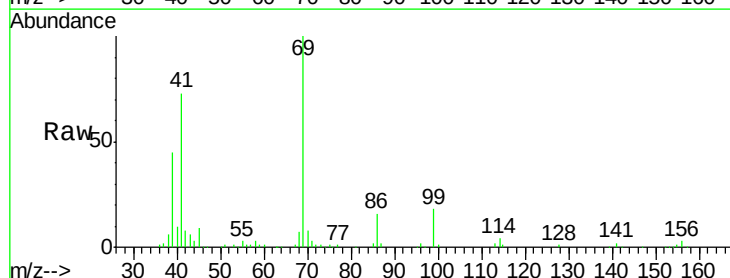
Manual Integrations
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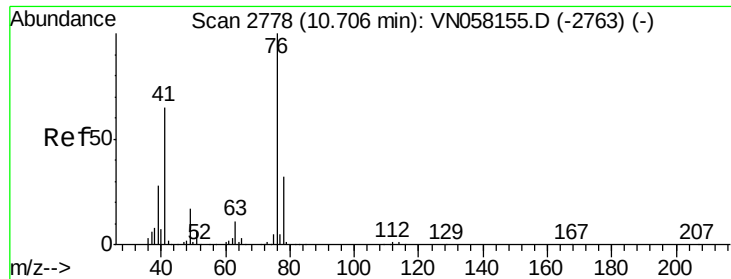
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#56
 Ethyl methacrylate
 Concen: 19.043 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN058385.D
 Acq: 26 Sep 2019 14:58

Tgt Ion:	69	Resp:	128162
Ion	Ratio	Lower	Upper
69	100		
41	72.2	57.5	86.3
39	44.7	36.1	54.1





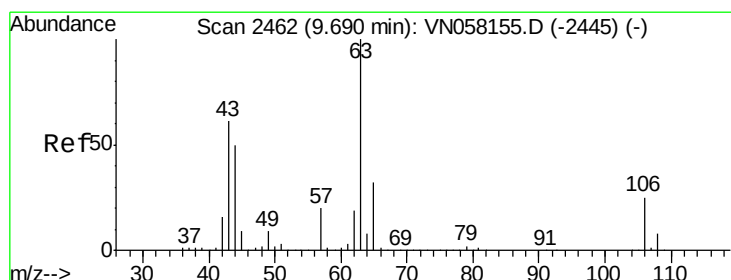
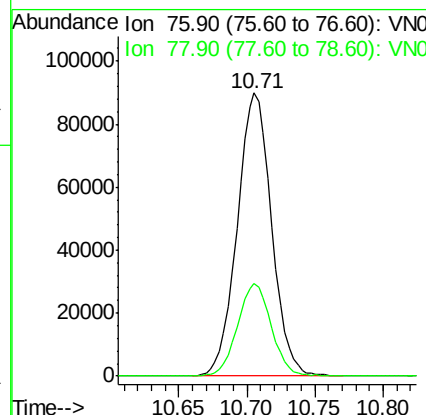
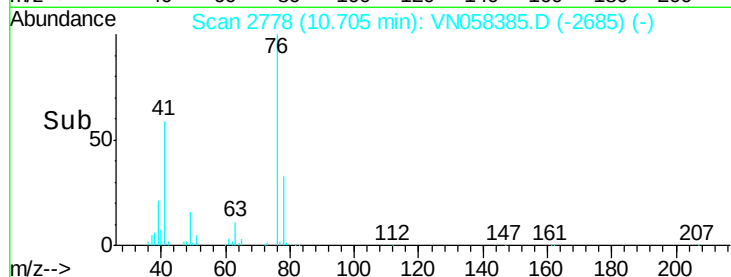
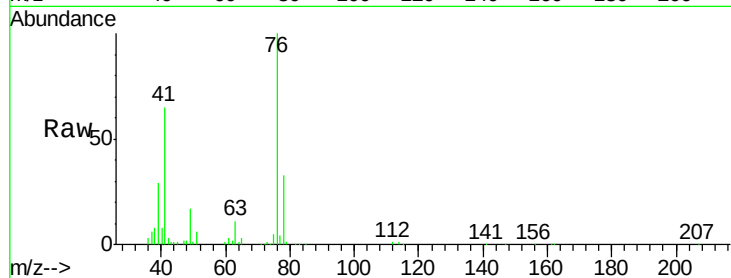
#57
 1,3-Dichloropropane
 Concen: 19.578 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN058385.D
 Acq: 26 Sep 2019 14:58

Instrument :
 MSVOA_N
 ClientSampled :
 VN0926WBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.4	38.0

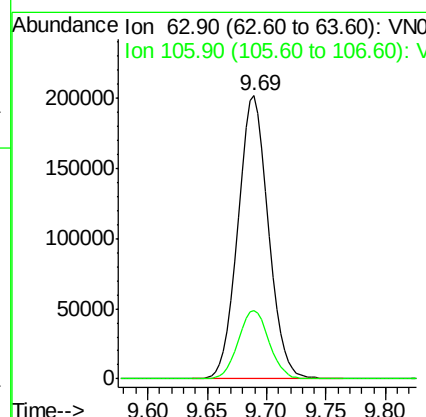
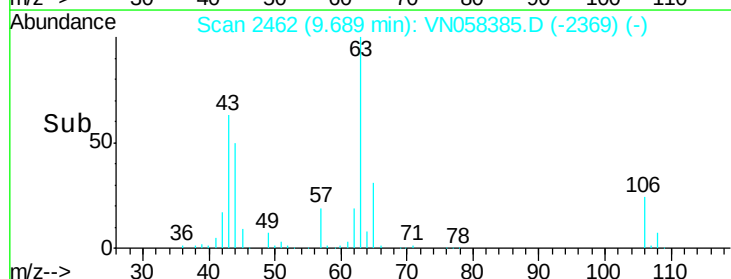
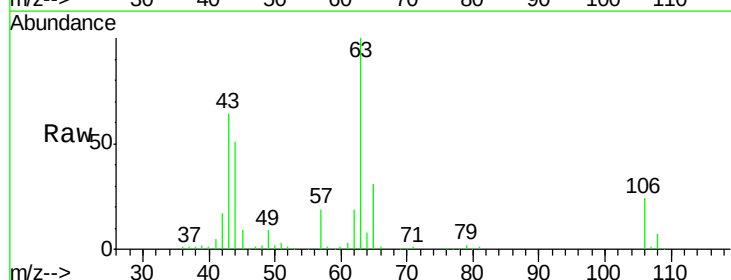
Manual Integrations
 APPROVED

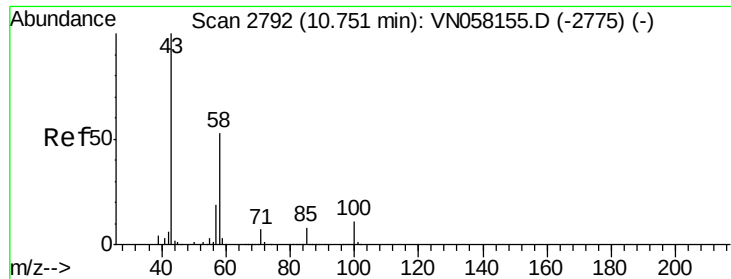
MMDadoda
 9/27/2019 11:19:26 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 111.560 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. -0.00 min
 Lab File: VN058385.D
 Acq: 26 Sep 2019 14:58

Tgt Ion	Ratio	Lower	Upper
63	100		
106	24.6	19.9	29.9





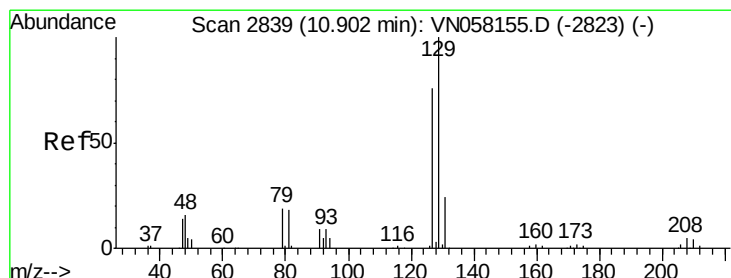
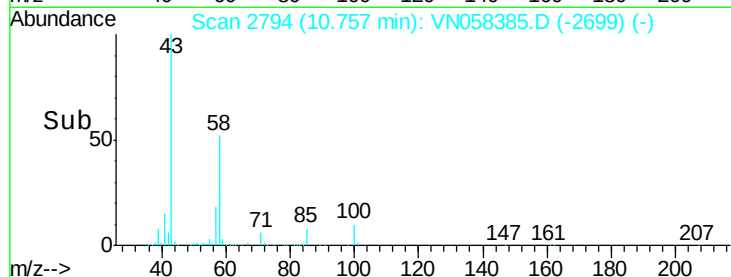
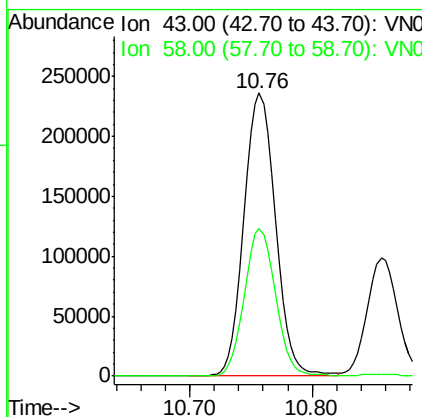
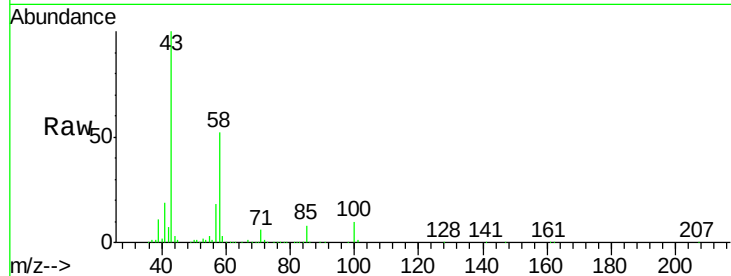
#59
2-Hexanone
Concen: 99.541 ug/l
RT: 10.76 min Scan# 2794
Delta R.T. 0.01 min
Lab File: VN058385.D
Acq: 26 Sep 2019 14:58

Instrument :
MSVOA_N
ClientSampleId :
VN0926WBS02

Tot Ion: 43 Resp: 417910
Ion Ratio Lower Upper
43 100
58 51.9 26.0 78.0

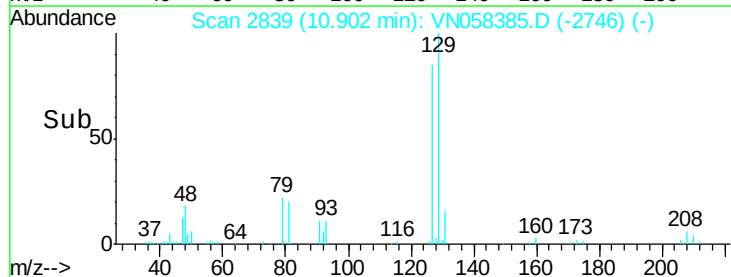
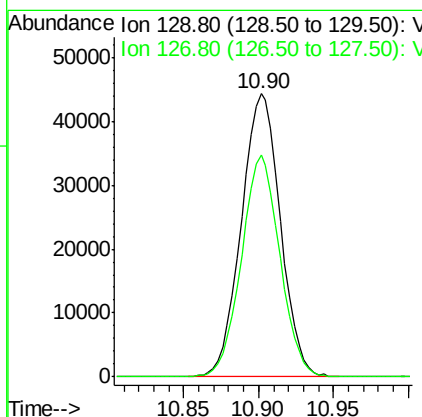
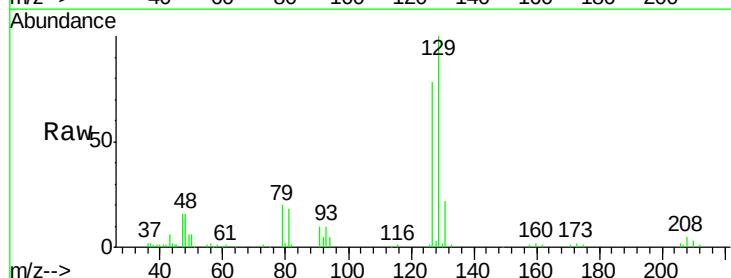
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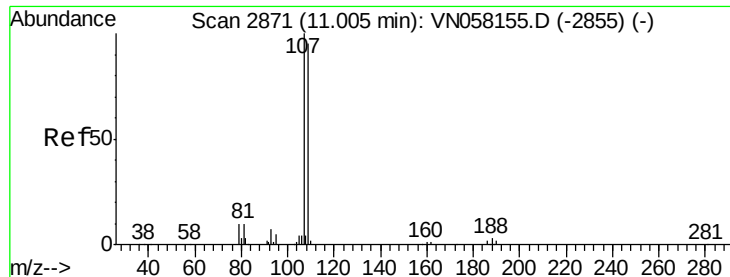
MMDadoda
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#60
Dibromochloromethane
Concen: 17.928 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN058385.D
Acq: 26 Sep 2019 14:58

Tgt Ion: 129 Resp: 80452
Ion Ratio Lower Upper
129 100
127 76.8 38.7 116.1





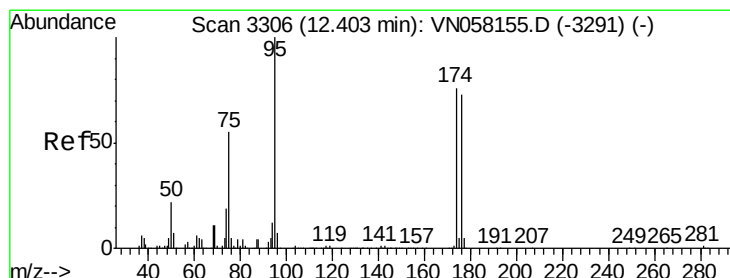
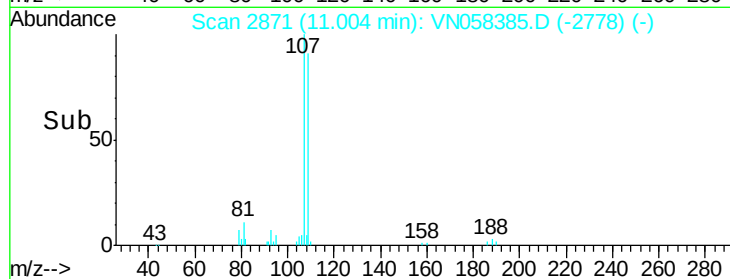
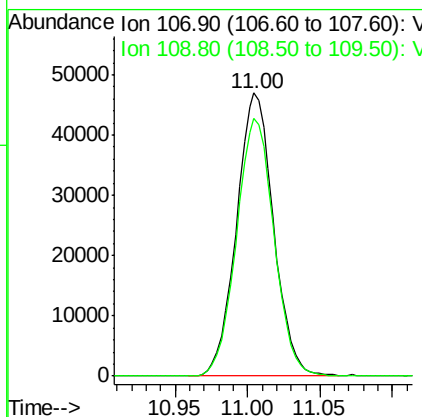
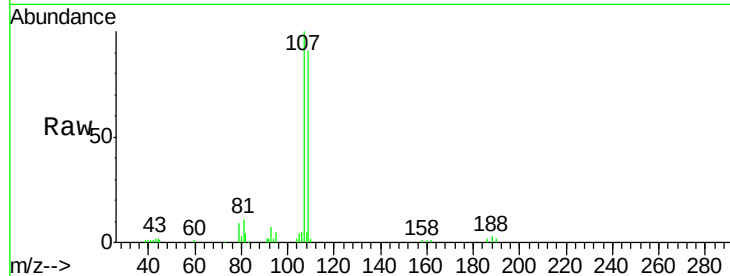
#61
 1,2-Dibromoethane
 Concen: 19.279 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN058385.D
 Acq: 26 Sep 2019 14:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0926WBS02

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.3	75.4	113.2

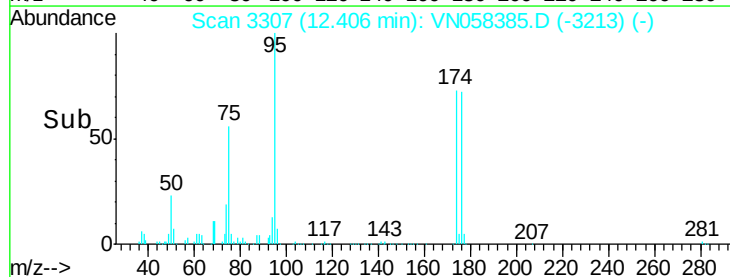
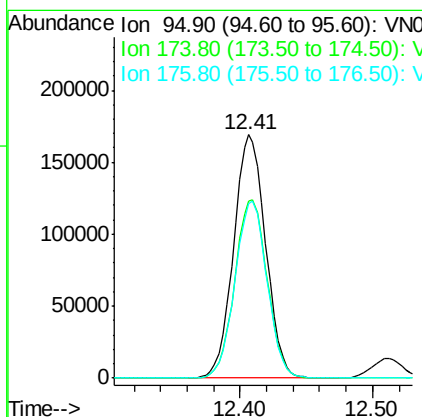
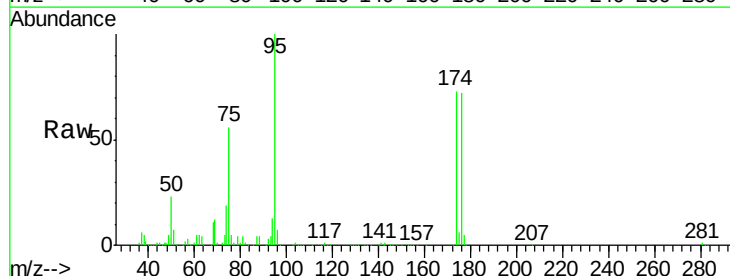
Manual Integrations
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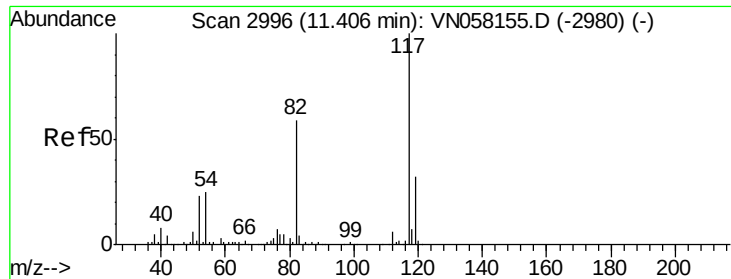
MMDadoda
 9/27/2019 11:19:26 AM



#62
 4-Bromofluorobenzene
 Concen: 42.263 ug/l
 RT: 12.41 min Scan# 3307
 Delta R.T. 0.00 min
 Lab File: VN058385.D
 Acq: 26 Sep 2019 14:58

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.2	0.0	152.2
176	73.0	0.0	148.0





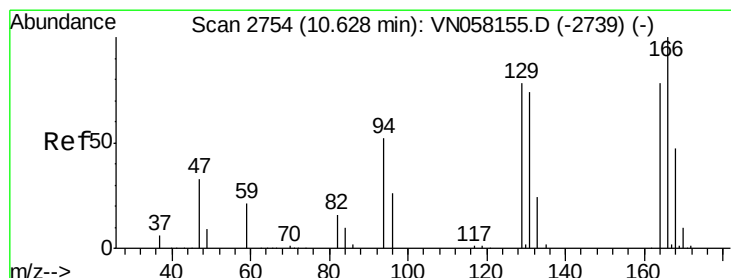
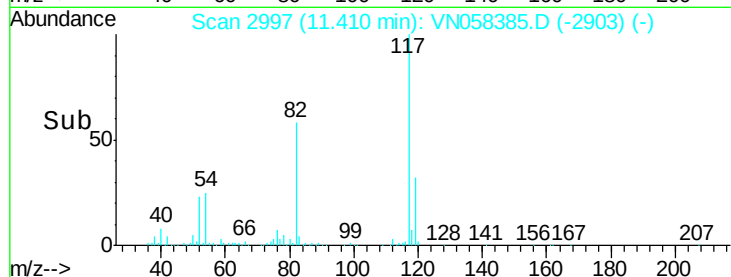
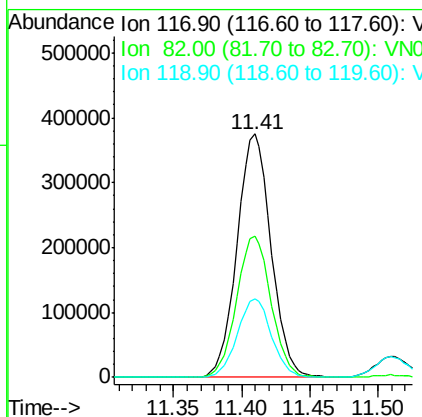
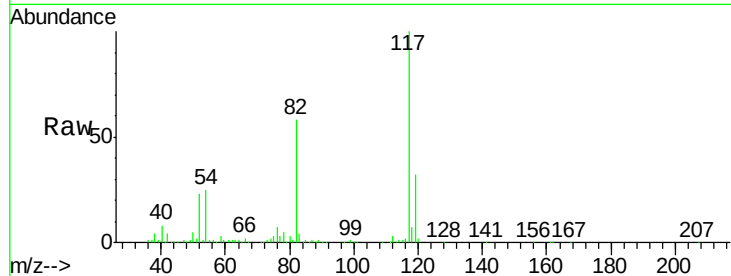
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN058385.D
Acq: 26 Sep 2019 14:58

Instrument :
MSVOA_N
ClientSampleId :
VN0926WBS02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	648987		
82	58.1	46.9	70.3	
119	32.3	25.3	37.9	

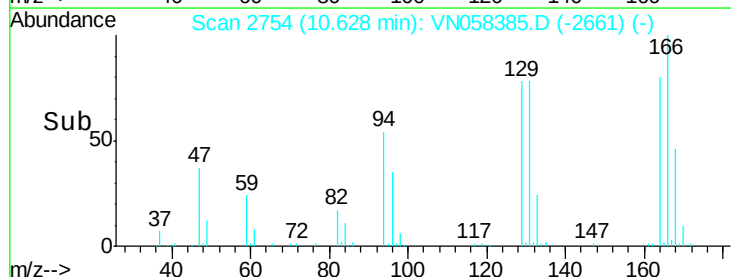
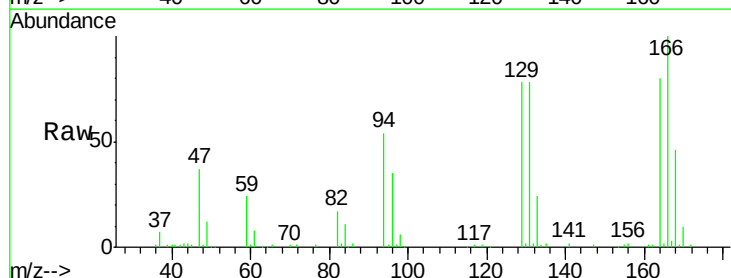
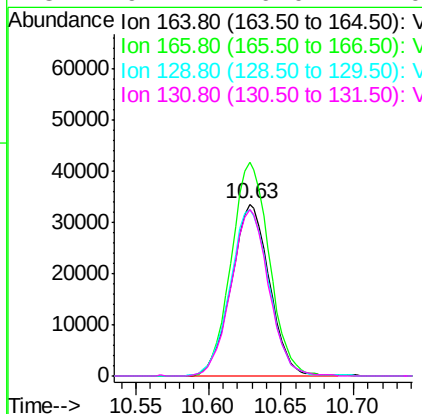
Manual Integrations
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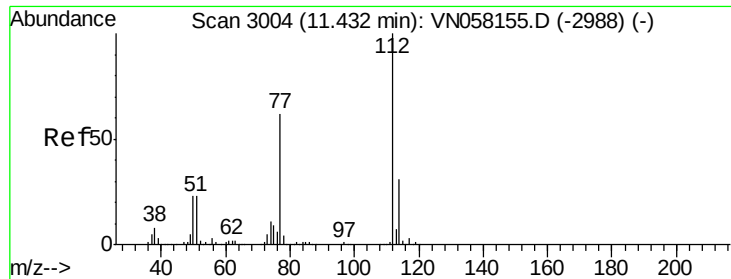
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#64
Tetrachloroethene
Concen: 19.357 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN058385.D
Acq: 26 Sep 2019 14:58

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	61238		
166	124.3	102.2	153.4	
129	96.1	79.6	119.4	
131	97.1	76.0	114.0	





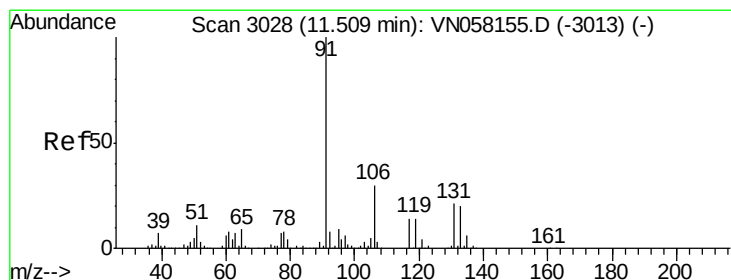
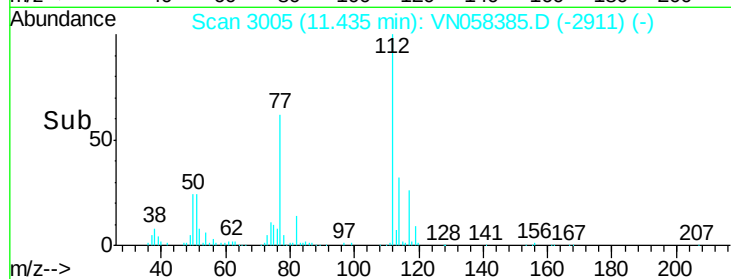
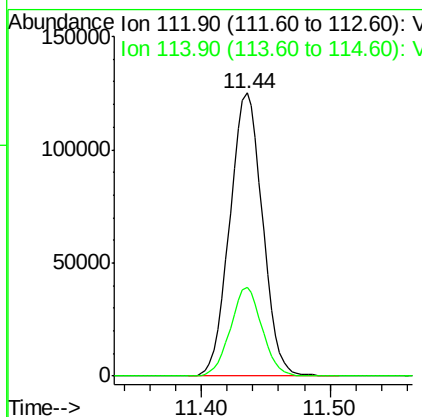
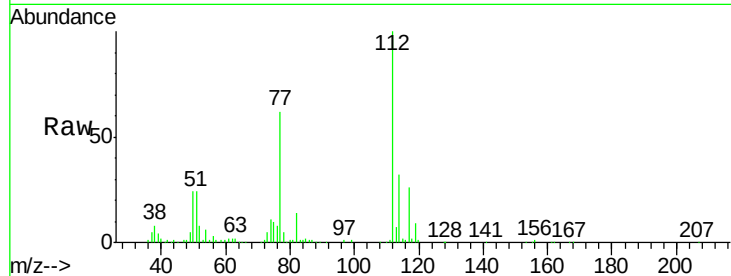
#65
Chlorobenzene
Concen: 19.300 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN058385.D
Acq: 26 Sep 2019 14:58

Instrument :
MSVOA_N
ClientSampleId :
VN0926WBS02

Tot Ion	Ratio	Resp	Lower	Upper
112	100	220315		
114	31.6	25.1	37.7	

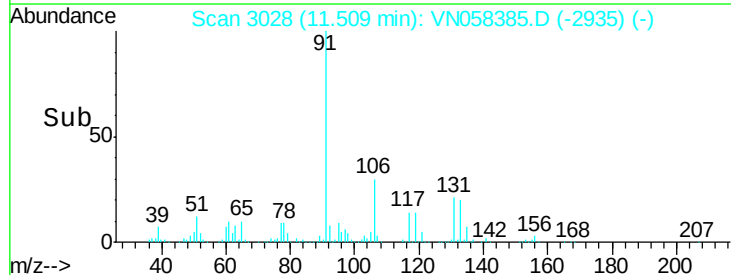
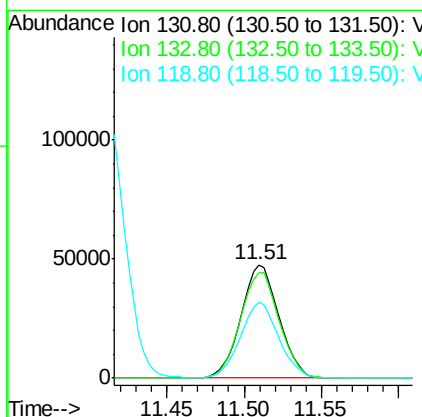
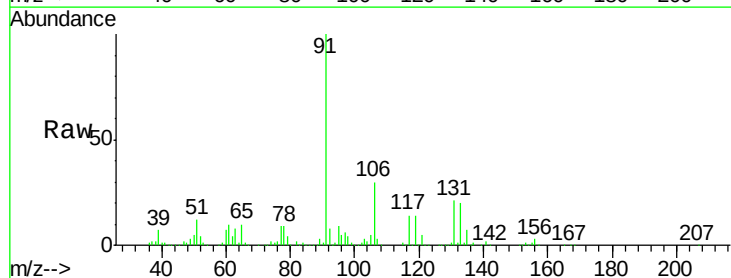
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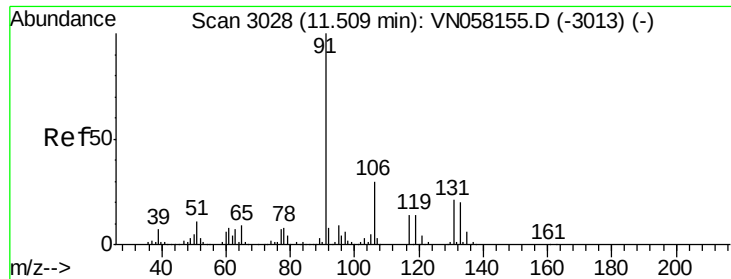
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.668 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN058385.D
Acq: 26 Sep 2019 14:58

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	81410		
133	95.2	47.8	143.3	
119	67.3	33.1	99.3	





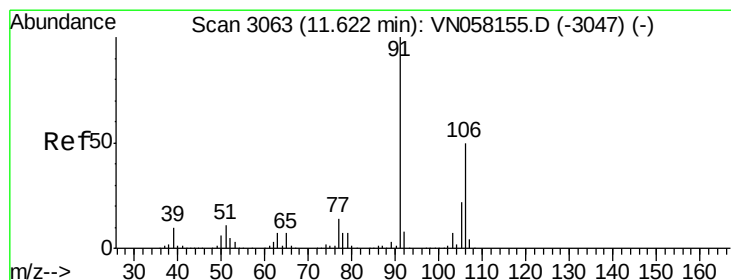
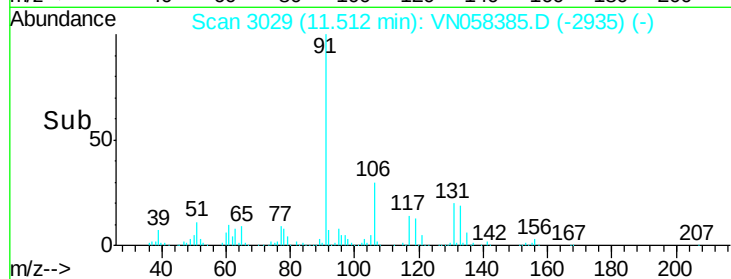
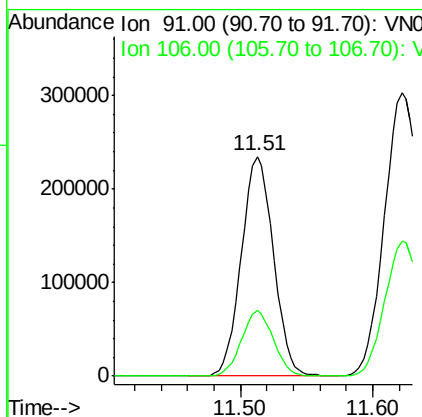
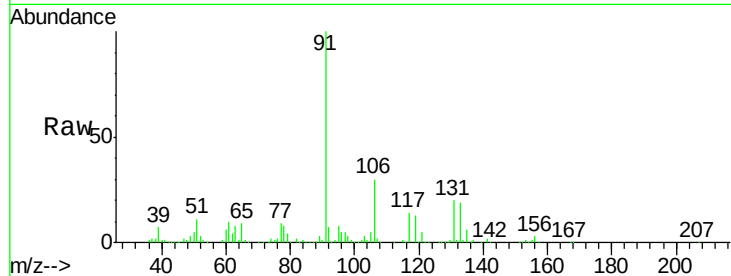
#67
Ethyl Benzene
Concen: 20.254 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058385.D
Acq: 26 Sep 2019 14:58

Instrument :
MSVOA_N
ClientSampled :
VN0926WBS02

Tot Ion: 91 Resp: 396162
Ion Ratio Lower Upper
91 100
106 29.8 24.0 36.0

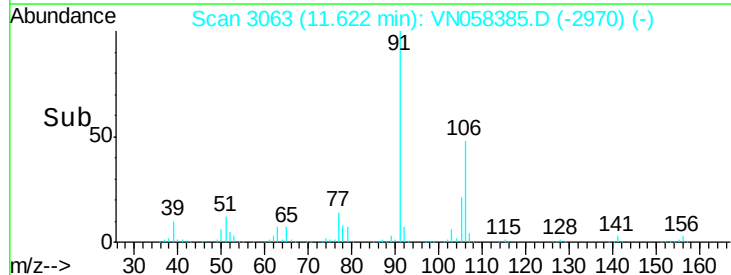
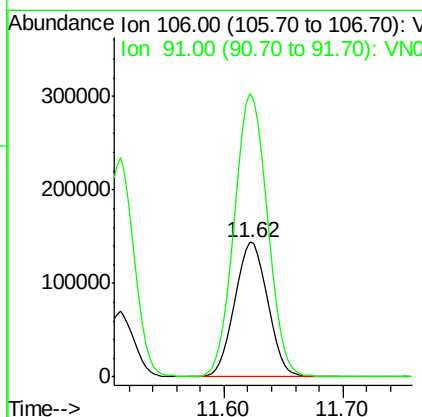
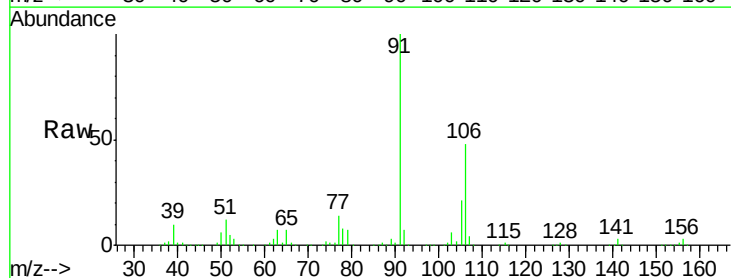
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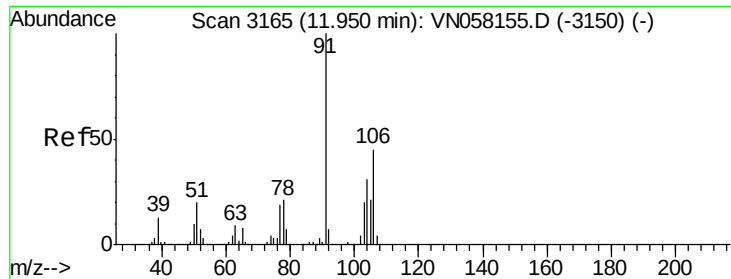
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#68
m/p-Xylenes
Concen: 37.741 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN058385.D
Acq: 26 Sep 2019 14:58

Tgt Ion: 106 Resp: 278030
Ion Ratio Lower Upper
106 100
91 211.4 163.6 245.4





#69

o-Xylene

Concen: 19.295 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. -0.00 min

Lab File: VN058385.D

Acq: 26 Sep 2019 14:58

Instrument :

MSVOA_N

ClientSampled :

VN0926WBS02

Tot Ion:106 Resp: 139766

Ion Ratio Lower Upper

106 100

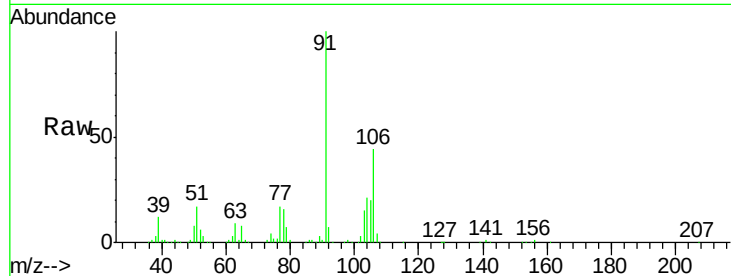
91 227.4 111.8 335.3

Manual Integrations

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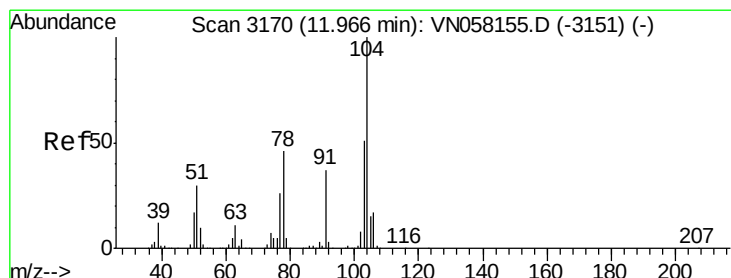
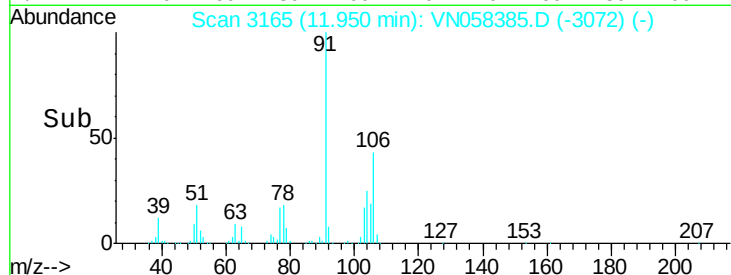
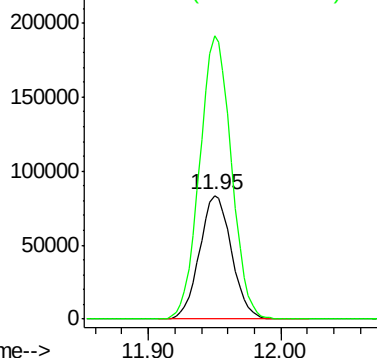
MMDadoda

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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#70

Styrene

Concen: 19.489 ug/l

RT: 11.97 min Scan# 3171

Delta R.T. 0.00 min

Lab File: VN058385.D

Acq: 26 Sep 2019 14:58

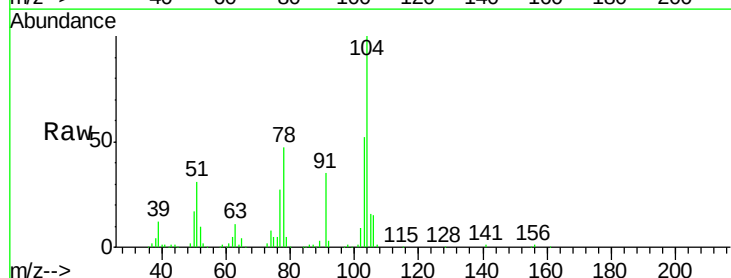
Tgt Ion:104 Resp: 243236

Ion Ratio Lower Upper

104 100

78 52.8 41.8 62.8

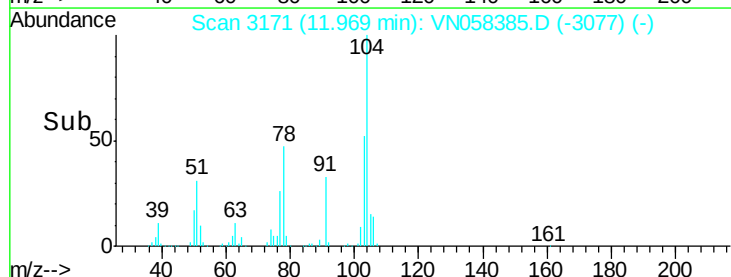
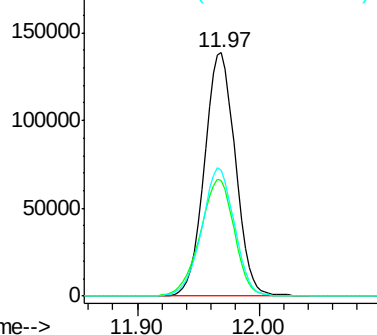
103 56.0 44.2 66.2

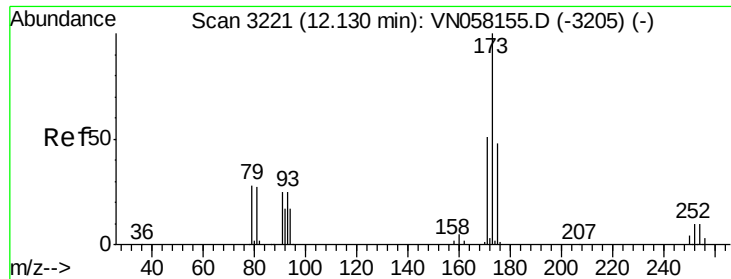


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V





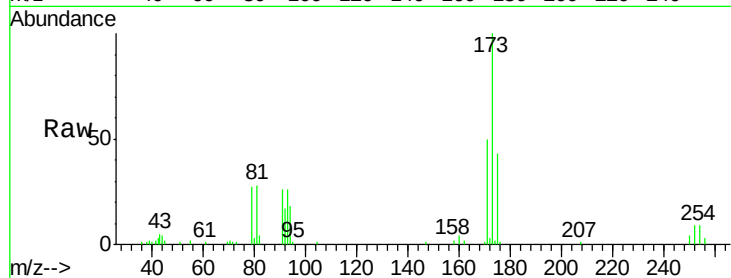
#71
Bromoform
Concen: 17.786 ug/l
RT: 12.13 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN058385.D
Acq: 26 Sep 2019 14:58

Instrument :
MSVOA_N
ClientSampleId :
VN0926WBS02

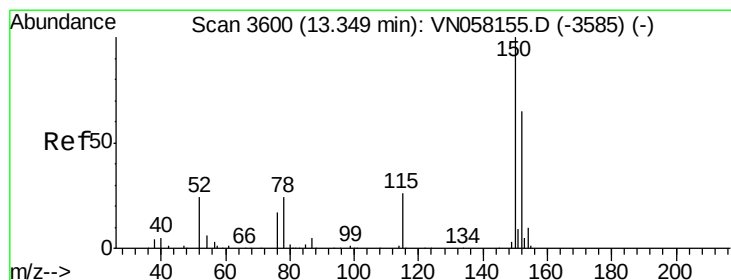
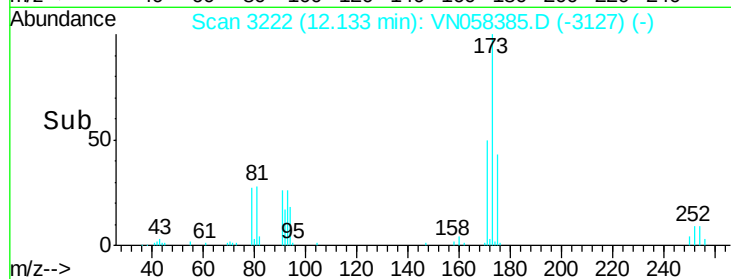
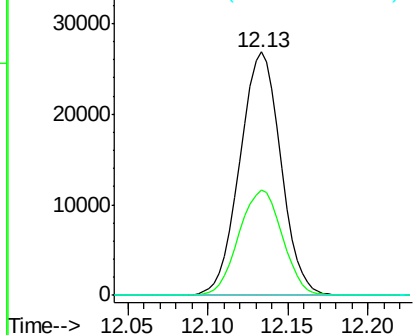
Tot Ion	Ratio	Lower	Upper
173	100		
175	45.9	24.2	72.6
254	0.0	0.1	0.1#

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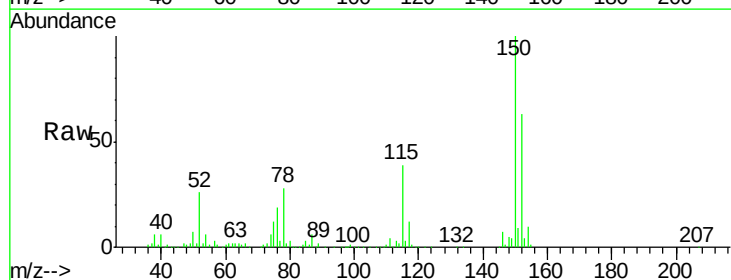


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

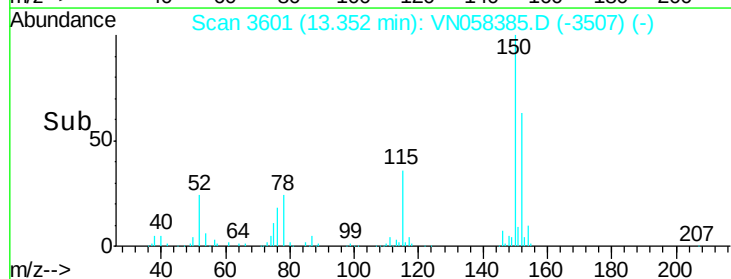
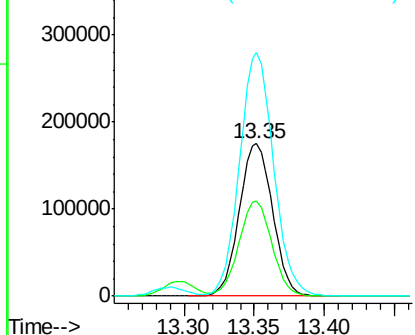


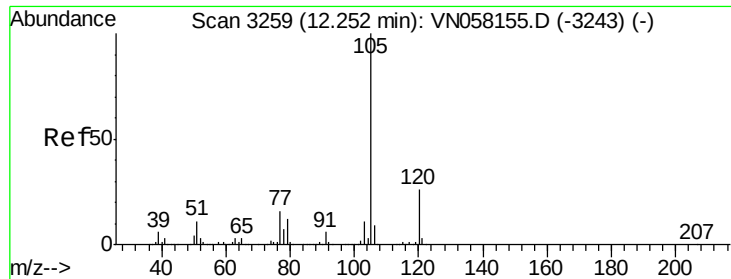
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN058385.D
Acq: 26 Sep 2019 14:58

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.1	30.1	90.3
150	162.3	0.0	346.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.799 ug/l

RT: 12.26 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN058385.D

Acq: 26 Sep 2019 14:58

Instrument :

MSVOA_N

ClientSampled :

VN0926WBS02

Tot Ion:105 Resp: 397724

Ion Ratio Lower Upper

105 100

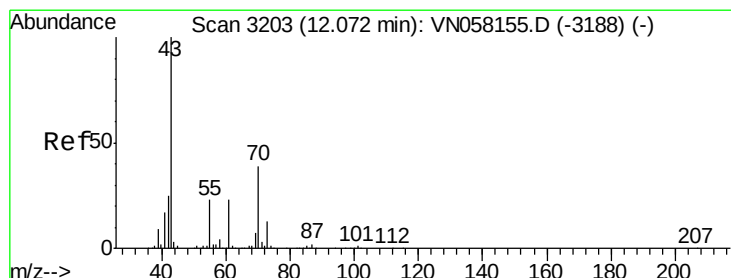
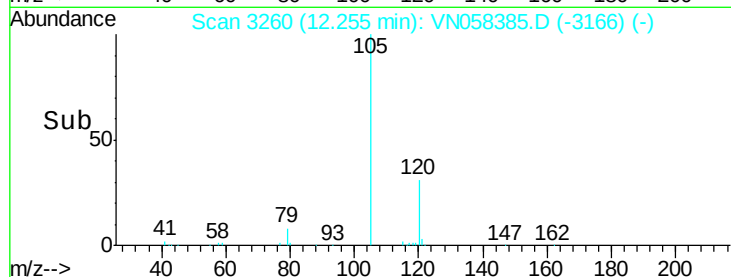
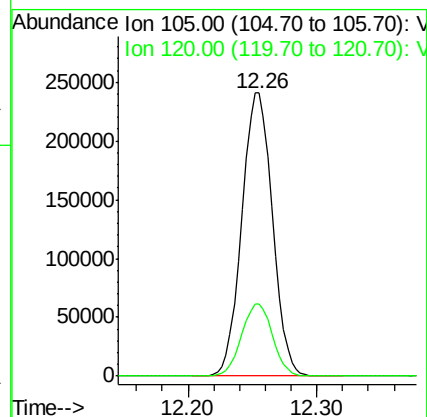
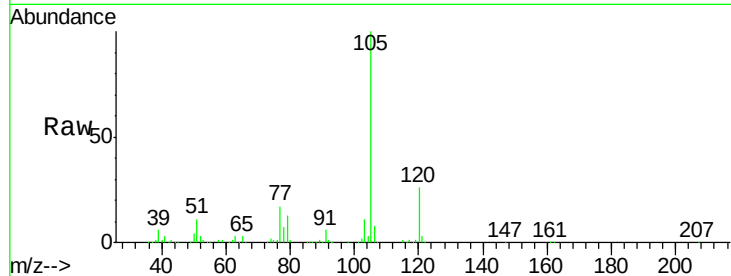
120 25.8 12.8 38.3

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#74

N-ethyl acetate

Concen: 22.580 ug/l

RT: 12.08 min Scan# 3204

Delta R.T. 0.00 min

Lab File: VN058385.D

Acq: 26 Sep 2019 14:58

Tgt Ion: 43 Resp: 172347

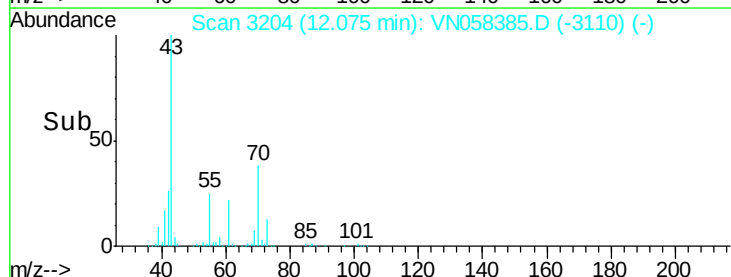
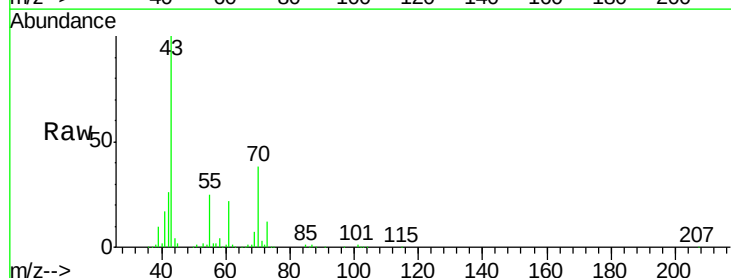
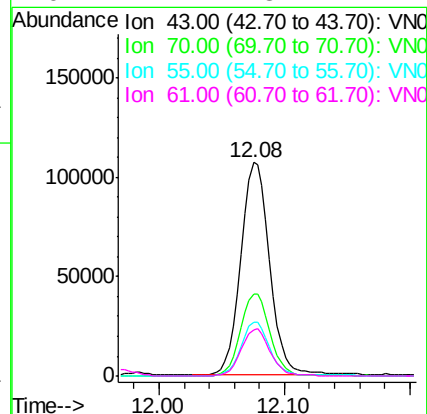
Ion Ratio Lower Upper

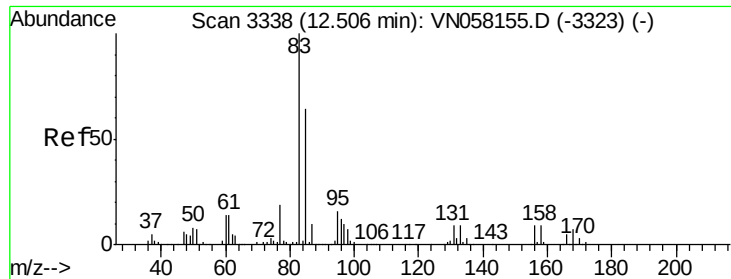
43 100

70 38.9 31.0 46.6

55 24.9 18.5 27.7

61 22.2 18.2 27.2





#75

1,1,2,2-Tetrachloroethane

Concen: 21.883 ug/l

RT: 12.51 min Scan# 3340

Delta R.T. 0.01 min

Lab File: VN058385.D

Acq: 26 Sep 2019 14:58

Instrument :

MSVOA_N

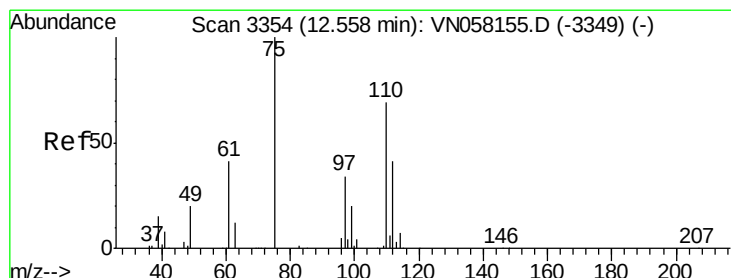
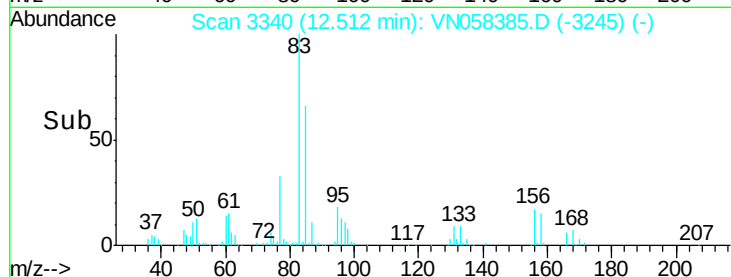
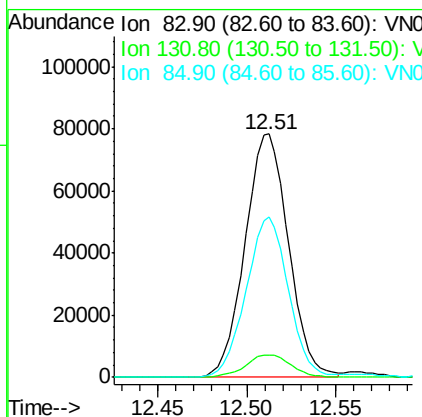
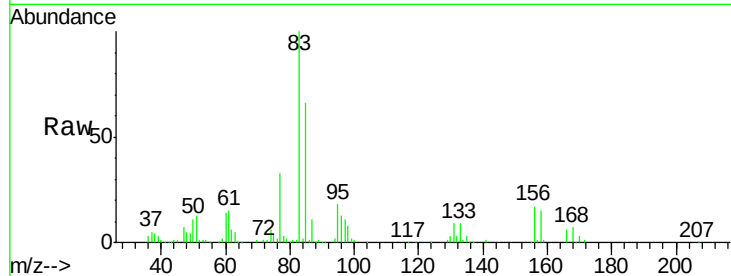
ClientSampled :

VN0926WBS02

Tot Ion:	83	Resp:	133701
Ion Ratio	Lower	Upper	
83	100		
131	9.5	4.8	14.3
85	64.1	31.9	95.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 22.761 ug/l m

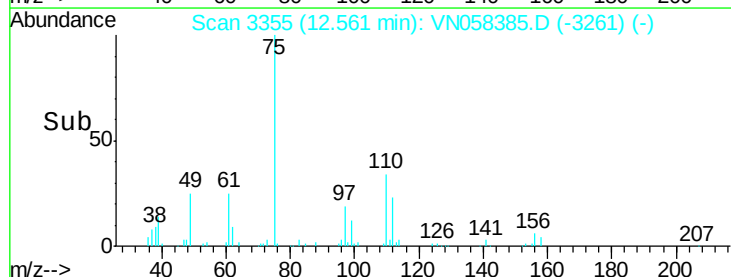
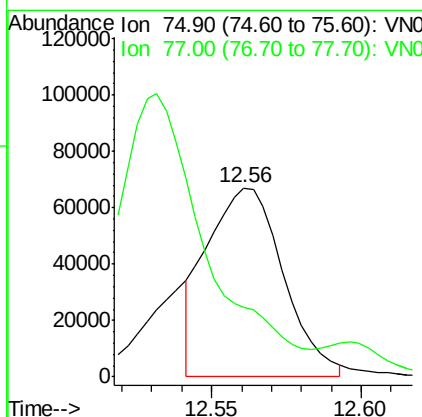
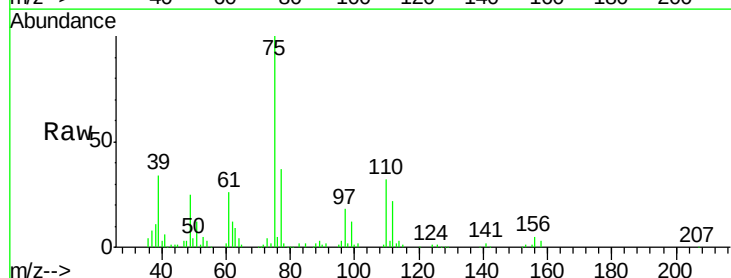
RT: 12.56 min Scan# 3355

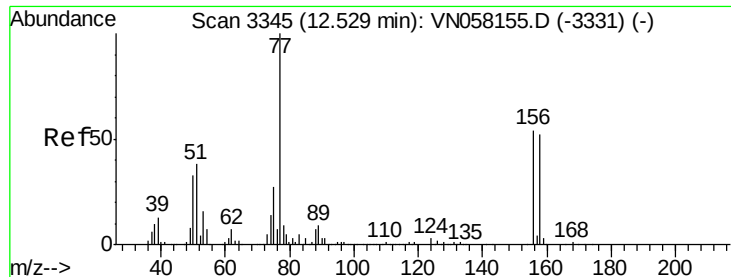
Delta R.T. 0.00 min

Lab File: VN058385.D

Acq: 26 Sep 2019 14:58

Tgt Ion:	75	Resp:	118733
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.544 ug/l

RT: 12.53 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN058385.D

Acq: 26 Sep 2019 14:58

Instrument :

MSVOA_N

ClientSampled :

VN0926WBS02

Tot Ion:156 Resp: 94283

Ion Ratio Lower Upper

156 100

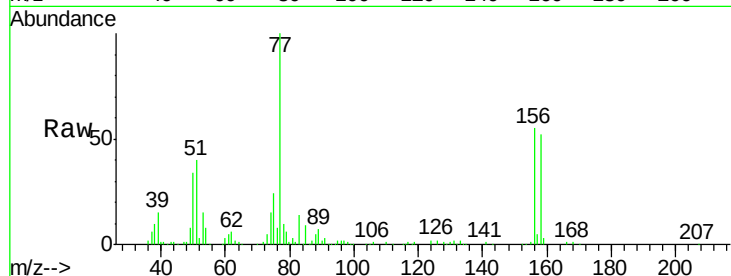
77 223.2 111.7 335.1

158 95.7 47.9 143.8

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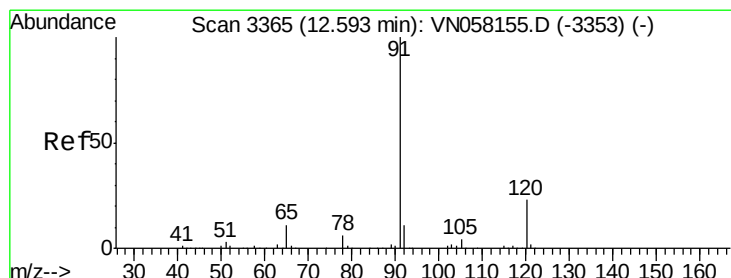
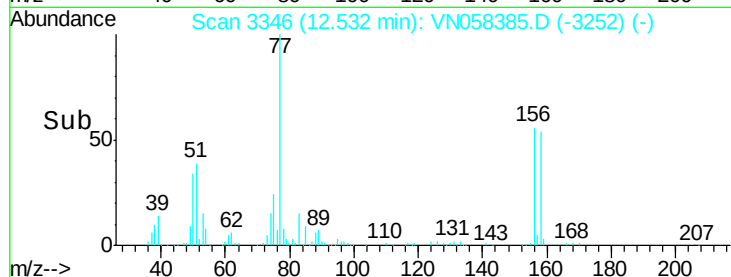
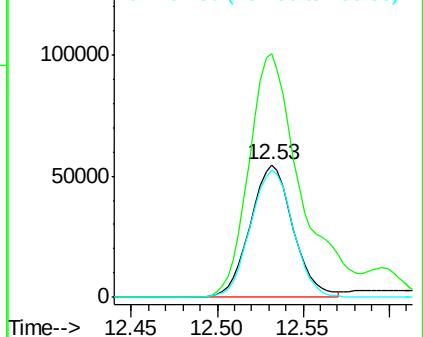
9/27/2019 11:19:26 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.980 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058385.D

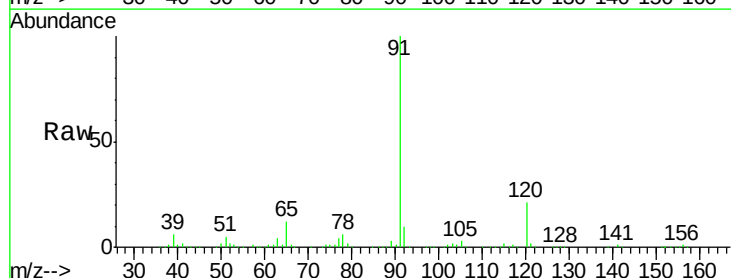
Acq: 26 Sep 2019 14:58

Tgt Ion: 91 Resp: 455713

Ion Ratio Lower Upper

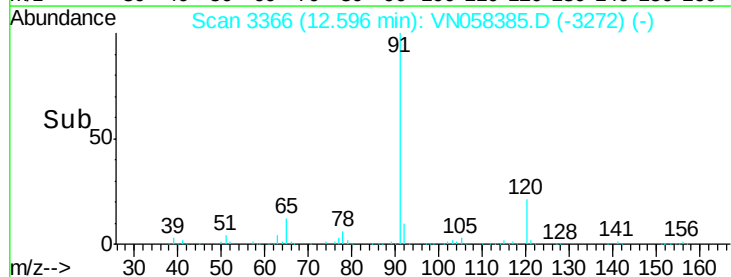
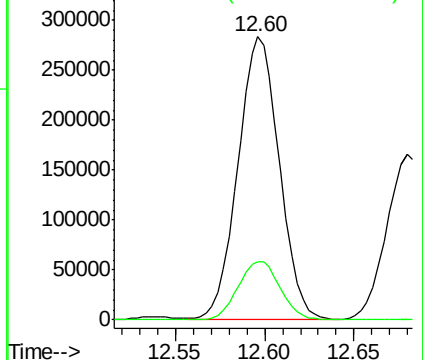
91 100

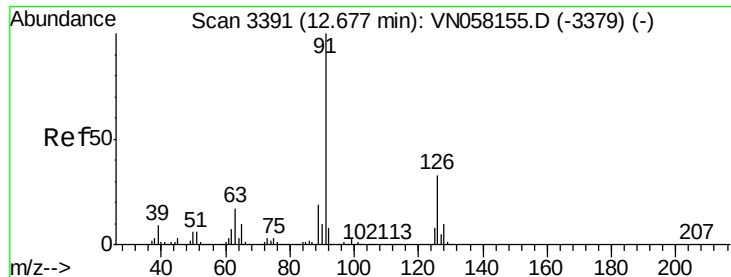
120 21.2 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.964 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN058385.D

Acq: 26 Sep 2019 14:58

Instrument :

MSVOA_N

ClientSampled :

VN0926WBS02

Tot Ion: 91 Resp: 271640

Ion Ratio Lower Upper

91 100

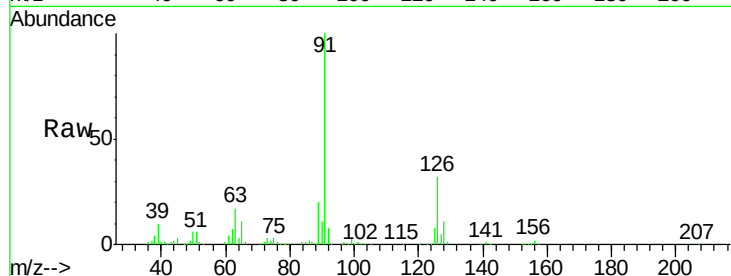
126 32.4 16.4 49.1

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Abundance Ion 91.00 (90.70 to 91.70): VN058155.D (-3379) (-)

Ion 125.90 (125.60 to 126.60): VN058155.D (-3379) (-)

250000

200000

150000

100000

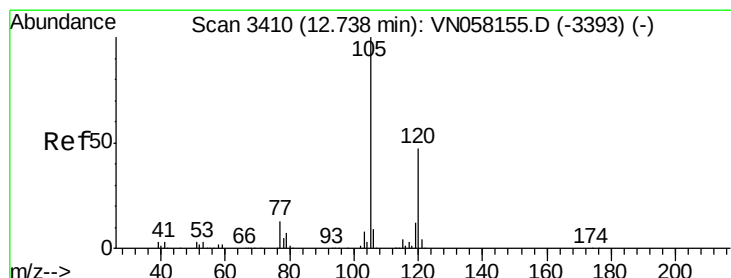
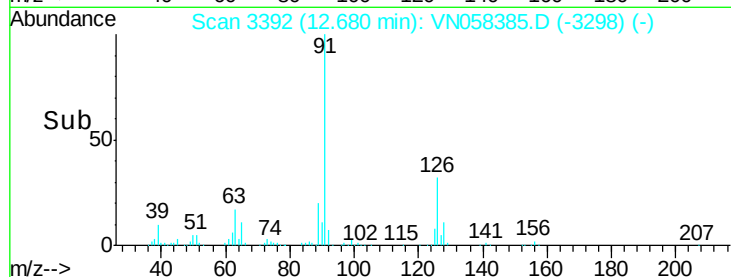
50000

0

12.65

12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.775 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN058385.D

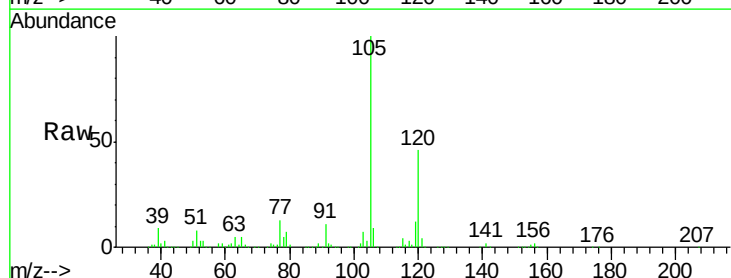
Acq: 26 Sep 2019 14:58

Tgt Ion: 105 Resp: 335947

Ion Ratio Lower Upper

105 100

120 46.7 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): VN058155.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN058155.D (-3393) (-)

250000

200000

150000

100000

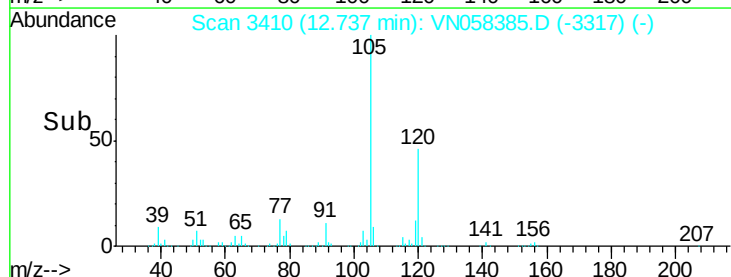
50000

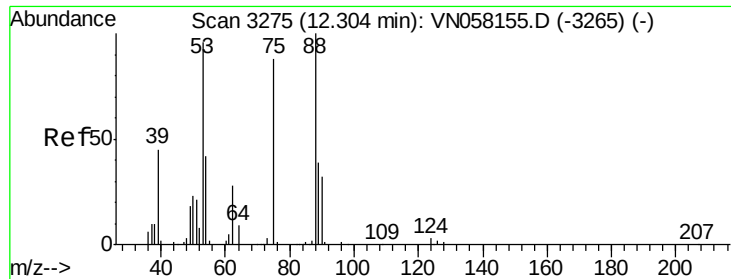
0

12.70

12.80

Time-->





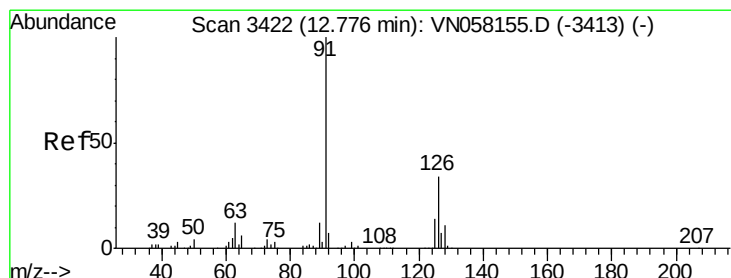
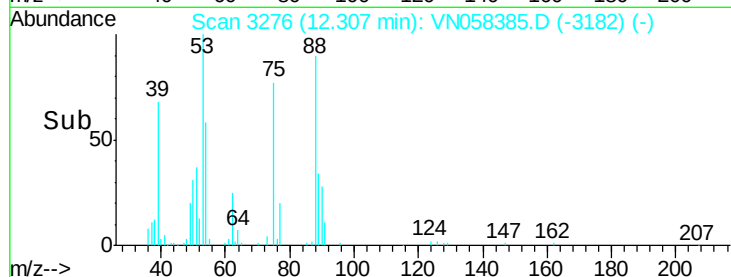
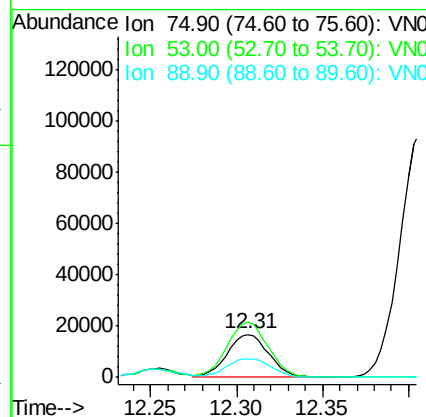
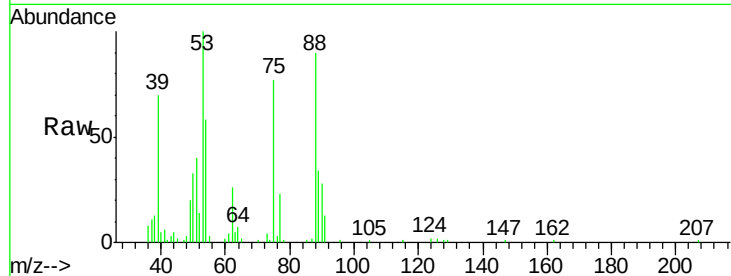
#81
trans-1,4-Dichloro-2-butene
Concen: 20.100 ug/l
RT: 12.31 min Scan# 3276
Delta R.T. 0.00 min
Lab File: VN058385.D
Acq: 26 Sep 2019 14:58

Instrument :
MSVOA_N
ClientSampleId :
VN0926WBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	127.2	90.1	135.1
89	46.0	36.2	54.2

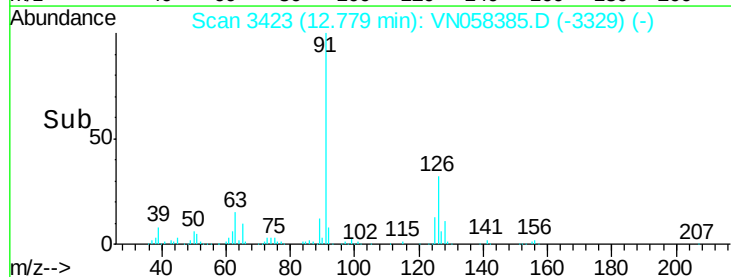
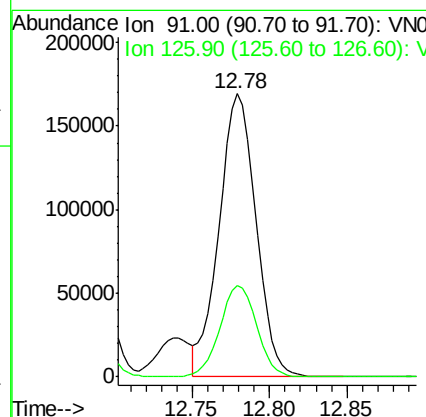
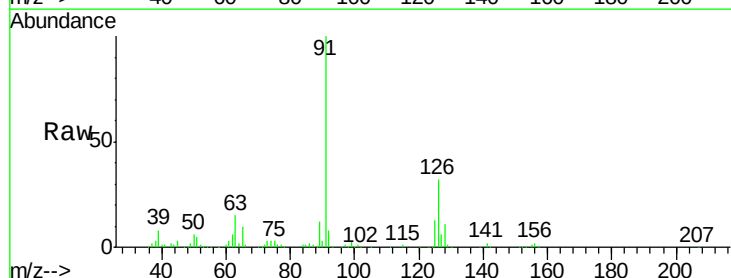
Manual Integrations
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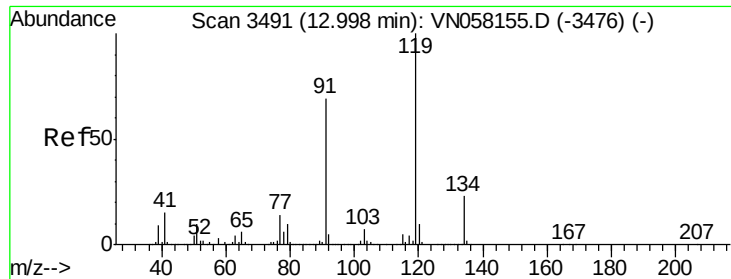
MMDadoda
9/27/2019 11:19:26 AM



#82
4-Chlorotoluene
Concen: 20.543 ug/l
RT: 12.78 min Scan# 3423
Delta R.T. 0.00 min
Lab File: VN058385.D
Acq: 26 Sep 2019 14:58

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.4	15.7	47.1





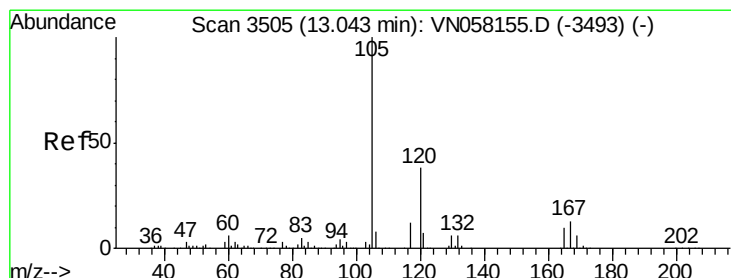
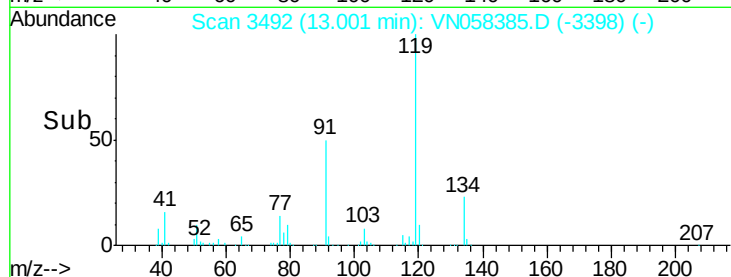
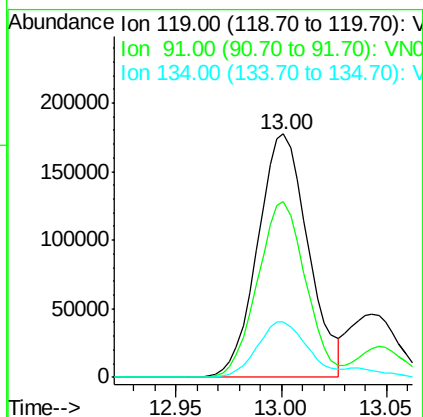
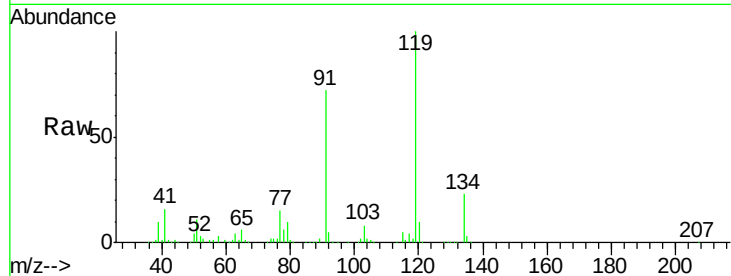
#83
tert-Butylbenzene
Concen: 21.468 ug/l
RT: 13.00 min Scan# 3492
Delta R.T. 0.00 min
Lab File: VN058385.D
Acq: 26 Sep 2019 14:58

Instrument :
MSVOA_N
ClientSampleId :
VN0926WBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	295374		
91	69.2		33.8	101.3
134	22.7		11.6	34.8

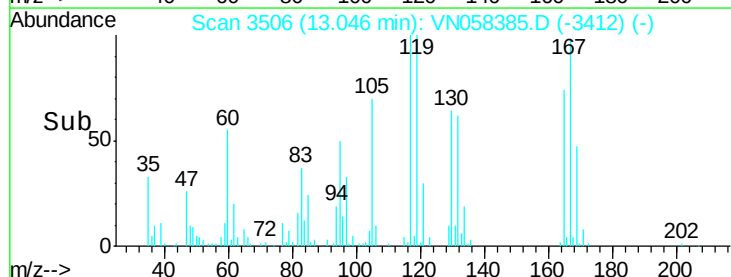
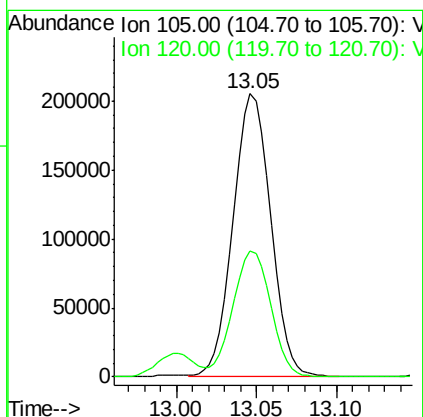
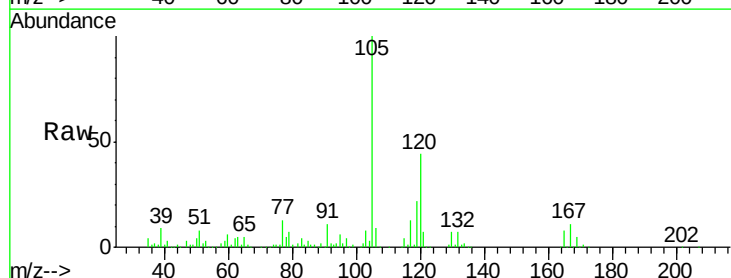
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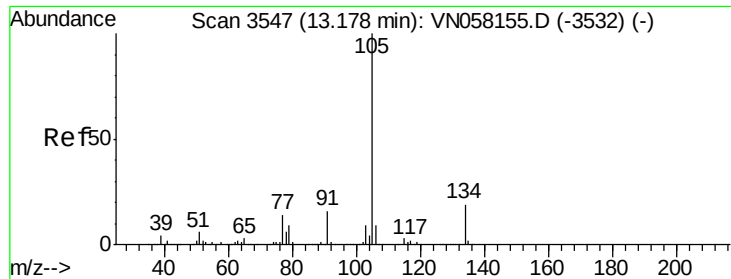
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#84
1,2,4-Trimethylbenzene
Concen: 21.267 ug/l
RT: 13.05 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN058385.D
Acq: 26 Sep 2019 14:58

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	326525		
120	45.0		22.1	66.5





#85

sec-Butylbenzene

Concen: 21.610 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN058385.D

Acq: 26 Sep 2019 14:58

Instrument :

MSVOA_N

ClientSampleId :

VN0926WBS02

Tot Ion:105 Resp: 388799

Ion Ratio Lower Upper

105 100

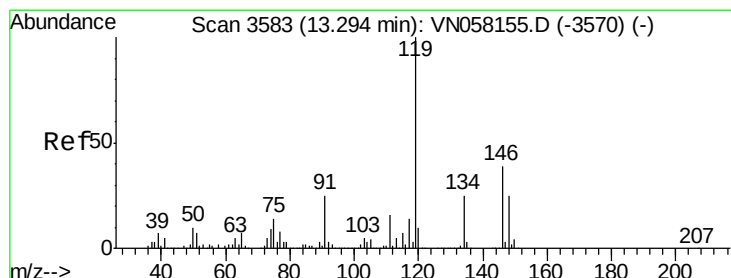
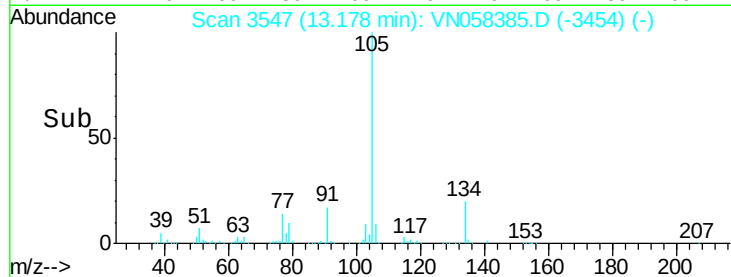
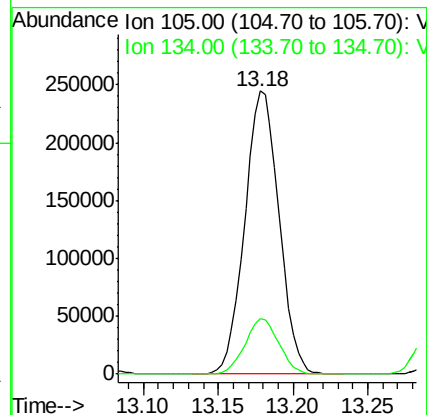
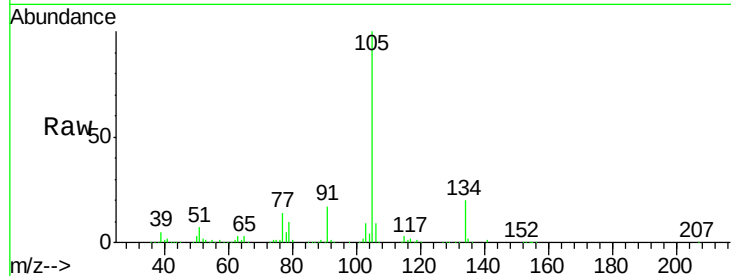
134 19.4 9.5 28.5

Manual Integrations

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9/27/2019 11:19:26 AM



#86

p-Isopropyltoluene

Concen: 21.352 ug/l

RT: 13.30 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN058385.D

Acq: 26 Sep 2019 14:58

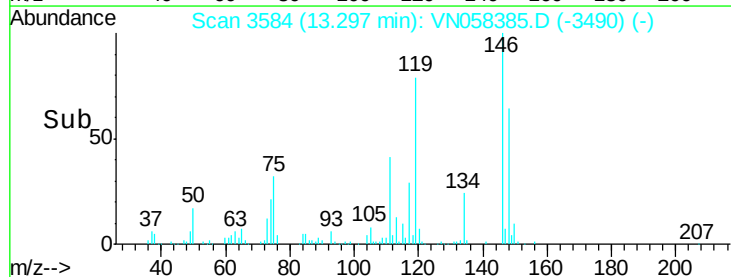
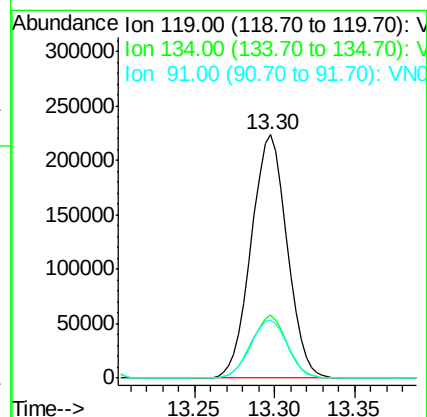
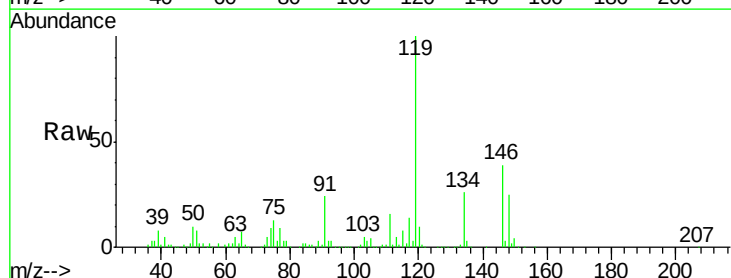
Tgt Ion:119 Resp: 341522

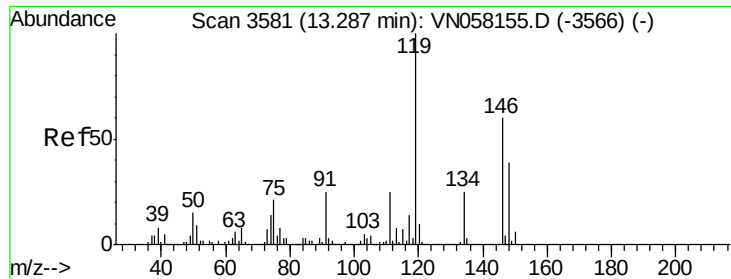
Ion Ratio Lower Upper

119 100

134 25.7 12.7 38.0

91 24.5 12.3 36.8





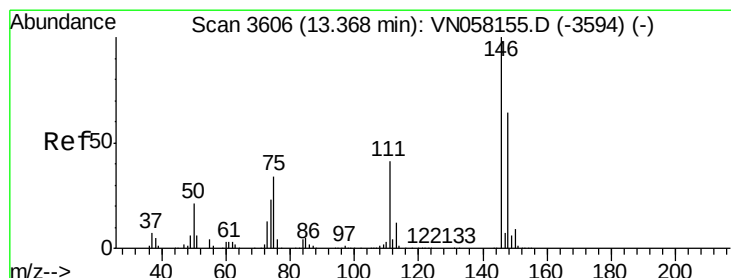
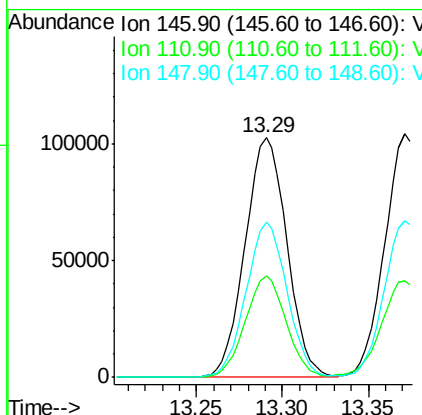
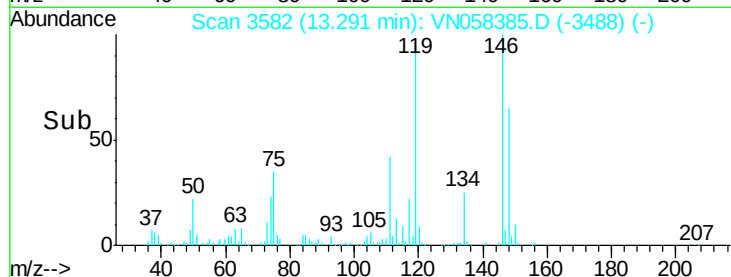
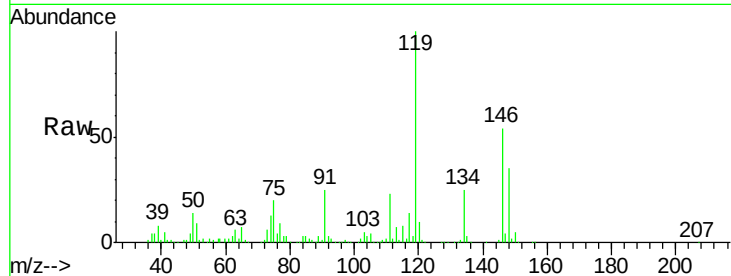
#87
 1,3-Dichlorobenzene
 Concen: 20.626 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN058385.D
 Acq: 26 Sep 2019 14:58

Instrument :
 MSVOA_N
 ClientSampled :
 VN0926WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.9	62.8
148	63.5	32.0	96.2

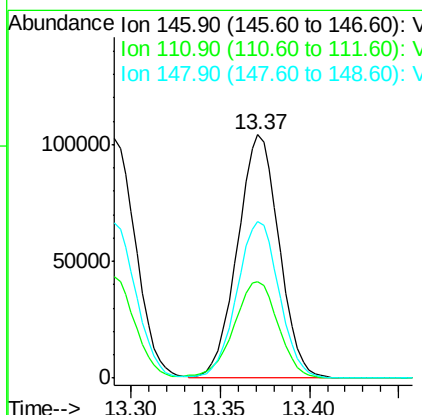
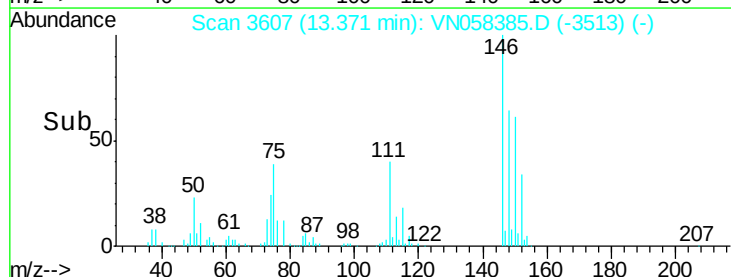
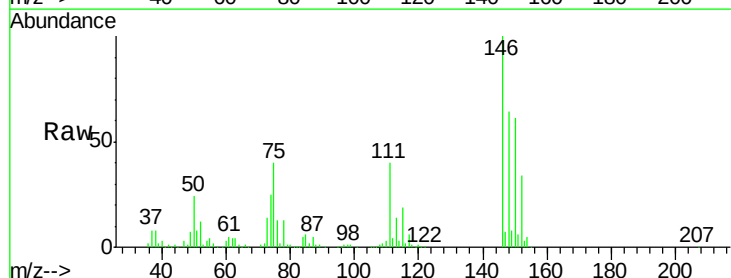
Manual Integrations
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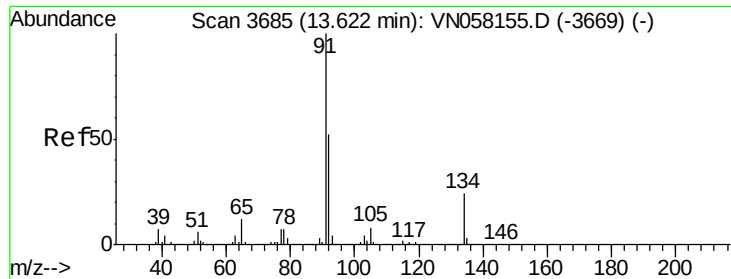
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#88
 1,4-Dichlorobenzene
 Concen: 19.739 ug/l
 RT: 13.37 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN058385.D
 Acq: 26 Sep 2019 14:58

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.2	20.5	61.5
148	65.5	31.9	95.5





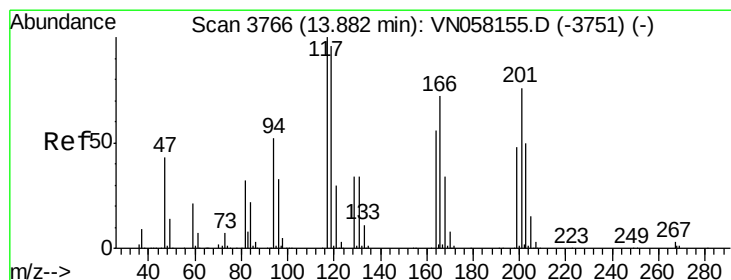
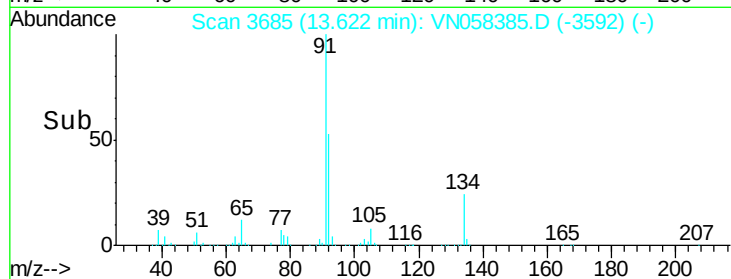
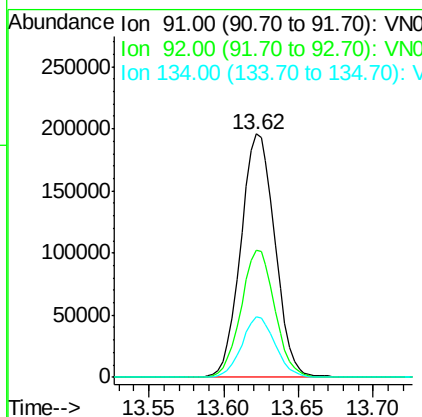
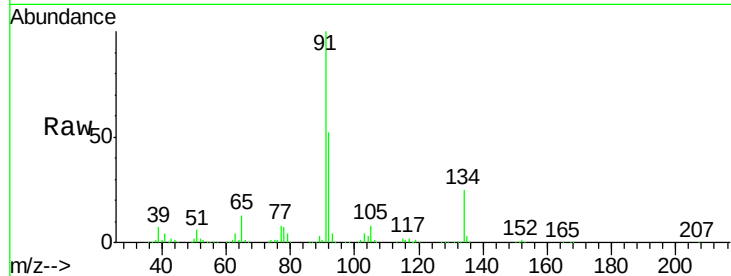
#89
n-Butylbenzene
Concen: 20.433 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN058385.D
Acq: 26 Sep 2019 14:58

Instrument :
MSVOA_N
ClientSampleId :
VN0926WBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.9	25.7	77.0
134	24.4	11.8	35.4

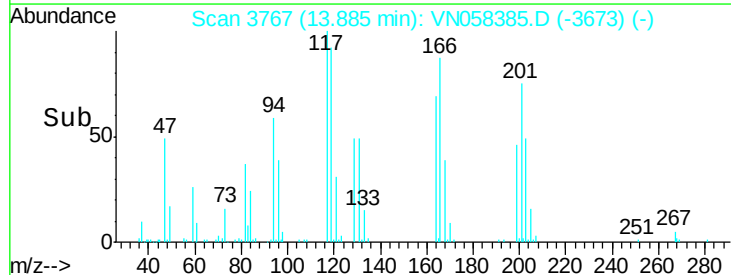
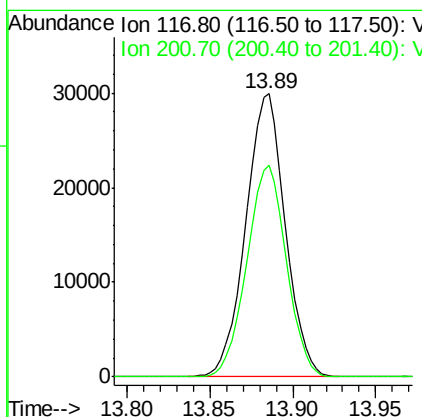
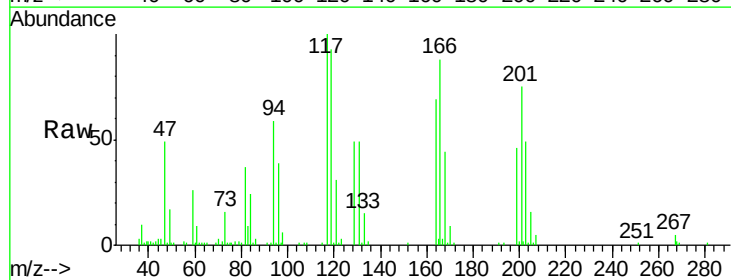
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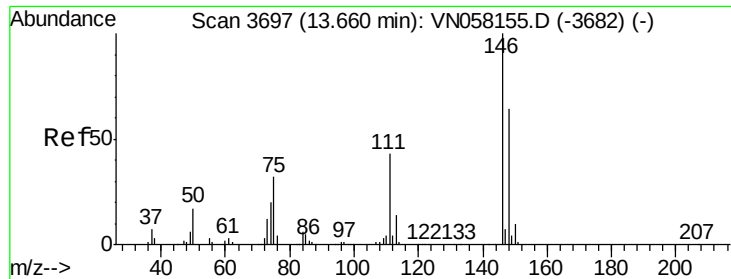
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#90
Hexachloroethane
Concen: 19.532 ug/l
RT: 13.89 min Scan# 3767
Delta R.T. 0.00 min
Lab File: VN058385.D
Acq: 26 Sep 2019 14:58

Tgt Ion	Ratio	Lower	Upper
117	100		
201	74.5	37.5	112.5





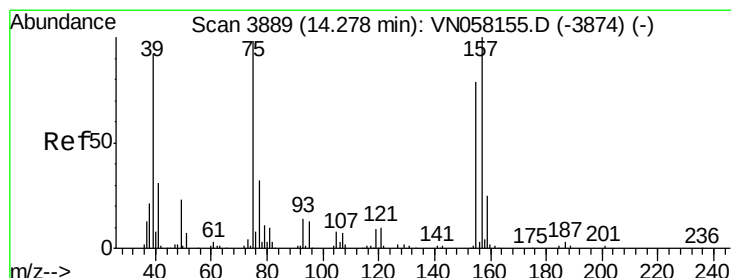
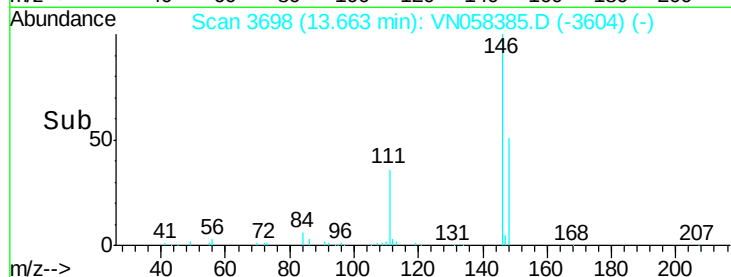
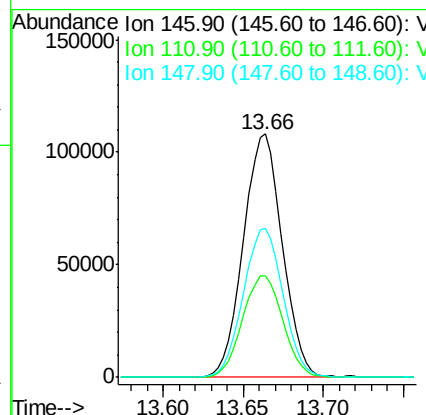
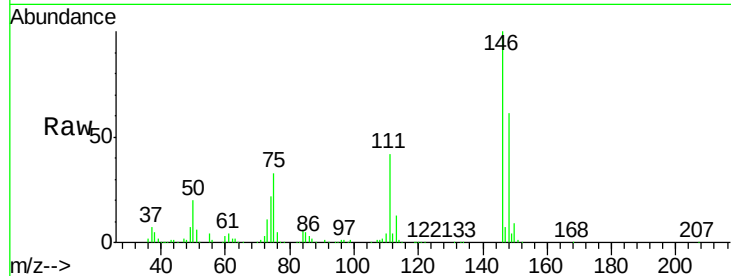
#91
 1,2-Dichlorobenzene
 Concen: 21.400 ug/l
 RT: 13.66 min Scan# 3698
 Delta R.T. 0.00 min
 Lab File: VN058385.D
 Acq: 26 Sep 2019 14:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0926WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.1	21.1	63.1
148	62.6	31.8	95.4

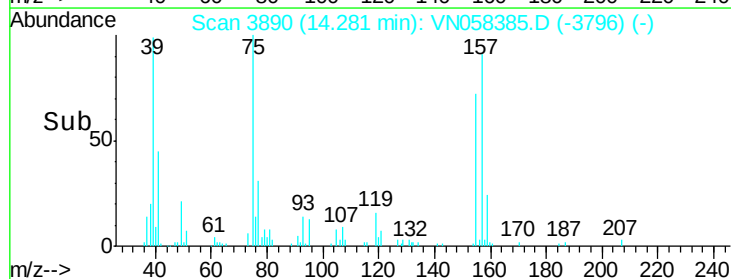
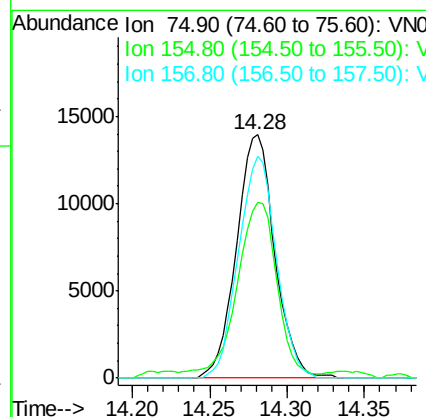
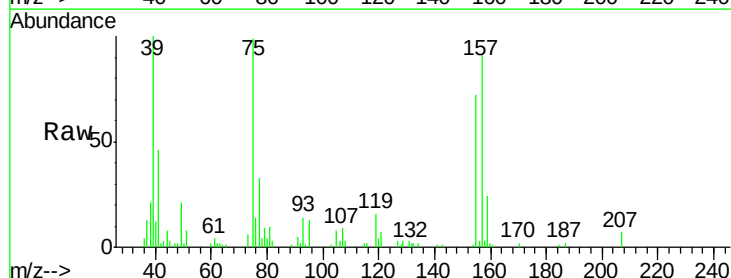
Manual Integrations
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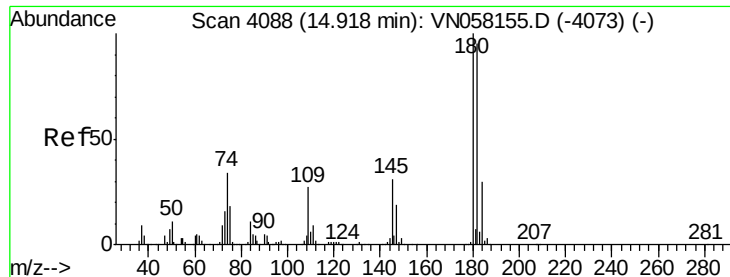
MMDadoda
 9/27/2019 11:19:26 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.810 ug/l
 RT: 14.28 min Scan# 3890
 Delta R.T. 0.00 min
 Lab File: VN058385.D
 Acq: 26 Sep 2019 14:58

Tgt Ion	Ratio	Lower	Upper
75	100		
155	72.0	38.3	114.8
157	90.2	48.0	144.0





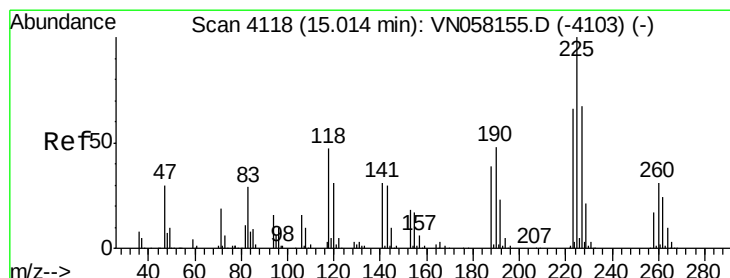
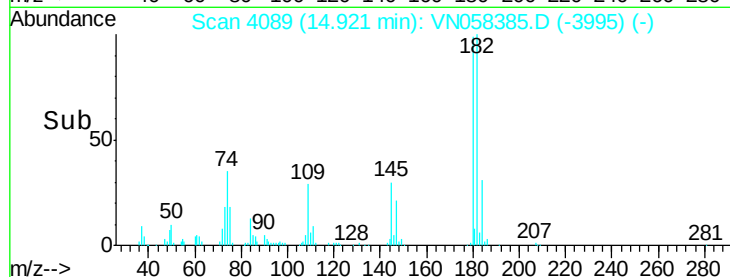
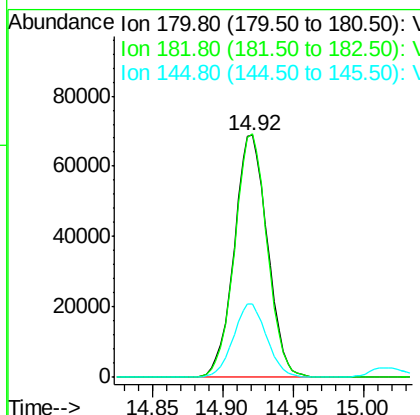
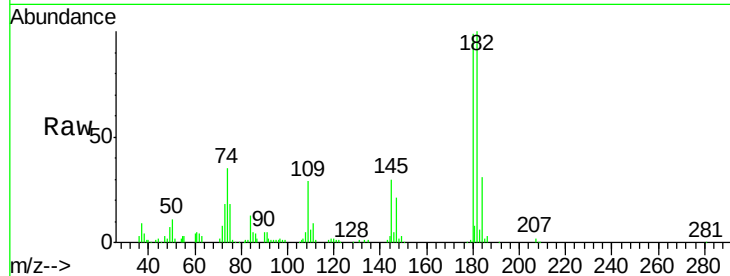
#93
 1,2,4-Trichlorobenzene
 Concen: 21.194 ug/l
 RT: 14.92 min Scan# 4089
 Delta R.T. 0.00 min
 Lab File: VN058385.D
 Acq: 26 Sep 2019 14:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0926WBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	98.0	47.8	143.3	
145	30.3	15.4	46.4	

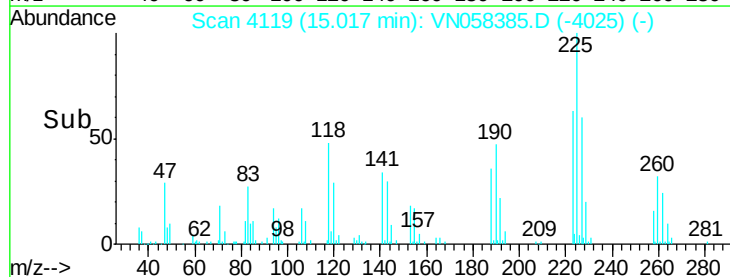
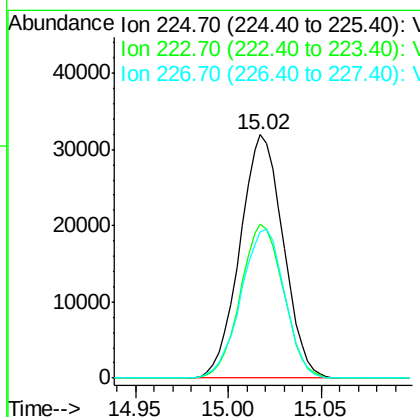
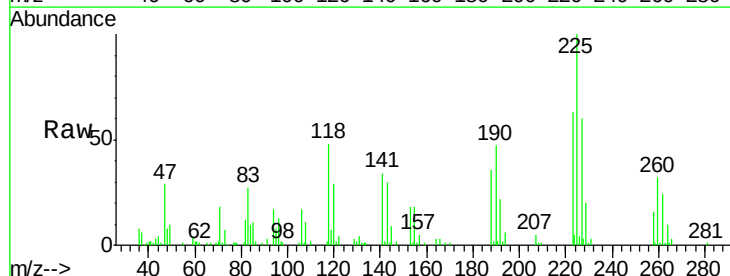
Manual Integrations
 APPROVED

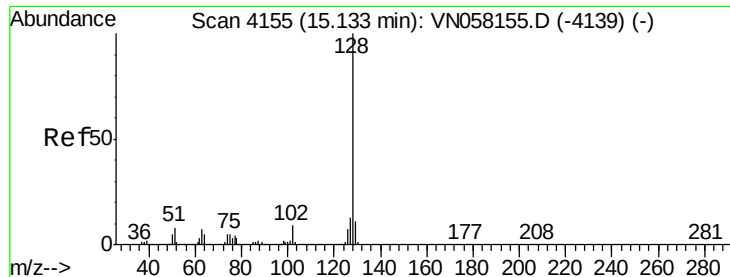
MMDadoda
 9/27/2019 11:19:26 AM



#94
 Hexachlorobutadiene
 Concen: 19.922 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN058385.D
 Acq: 26 Sep 2019 14:58

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.7	32.6	97.7	
227	61.6	33.0	99.0	





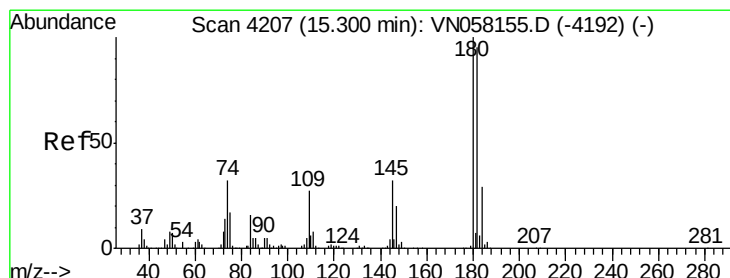
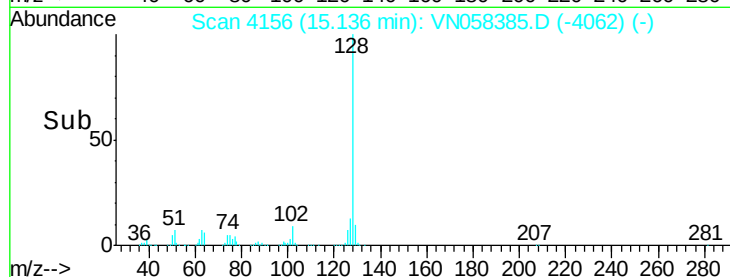
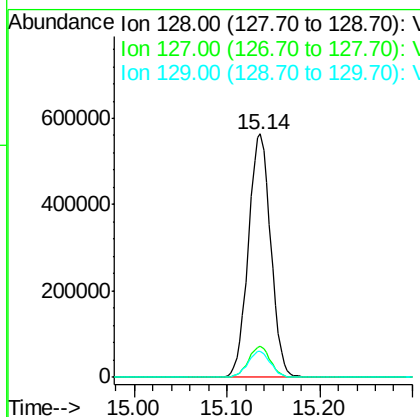
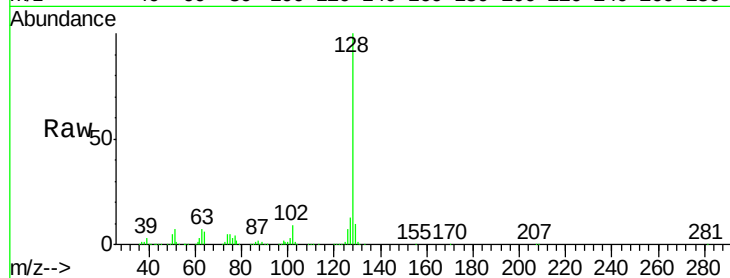
#95
Naphthalene
Concen: 67.696 ug/l
RT: 15.14 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN058385.D
Acq: 26 Sep 2019 14:58

Instrument :
MSVOA_N
ClientSampleId :
VN0926WBS02

Tot Ion	Ratio	Resp	Lower	Upper
128	100	942527		
127	12.6		10.2	15.2
129	10.8		8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/27/2019 11:19:26 AM



#96
1,2,3-Trichlorobenzene
Concen: 21.991 ug/l
RT: 15.30 min Scan# 4208
Delta R.T. 0.00 min
Lab File: VN058385.D
Acq: 26 Sep 2019 14:58

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	111668		
182	96.2		47.4	142.2
145	32.5		16.1	48.2

