

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN090919\
 Data File : VN057797.D
 Acq On : 9 Sep 2019 13:14
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 11:05:09 AM

Quant Time: Sep 09 16:27:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N090919W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Sep 09 12:14:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	69979	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	418049	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	376146	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	189273	30.58	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.93%
60) 4-Bromofluorobenzene	12.40	95	188237	29.24	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.47%
63) Toluene-d8	10.08	98	545386	30.21	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.70%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	86733	20.514 ug/l	99
3) Chloromethane	2.03	50	109489	20.768 ug/l	100
4) Vinyl Chloride	2.16	62	114235	21.178 ug/l	98
5) Bromomethane	2.54	94	70662	20.991 ug/l	88
6) Chloroethane	2.68	64	69161	20.631 ug/l	97
7) Trichlorofluoromethane	2.99	101	128691	20.651 ug/l	100
8) Diethyl Ether	3.39	74	52774	20.992 ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.73	101	80746	20.751 ug/l	99
10) 1,1-Dichloroethene	3.71	96	75252	20.337 ug/l	89
11) Methyl Iodide	3.93	142	100182	20.236 ug/l	97
12) Methyl Acetate	4.31	43	105515	20.779 ug/l #	91
13) Acrolein	3.59	56	25079	91.025 ug/l	91
14) Acrylonitrile	4.96	53	214655	103.693 ug/l #	90
15) Acetone	3.80	58	56762	96.583 ug/l	97
16) Carbon Disulfide	4.03	76	169330	19.652 ug/l	99
17) Allyl chloride	4.30	41	138513	20.428 ug/l	96
18) Methylene Chloride	4.53	84	95954	20.578 ug/l	92
19) trans-1,2-Dichloroethene	5.02	96	84039	20.378 ug/l	96
20) Diisopropyl ether	5.93	45	323752	20.424 ug/l	98
21) 1,1-Dichloroethane	5.82	63	179367	20.522 ug/l	97
22) cis-1,2-Dichloroethene	6.81	96	101792	20.145 ug/l	100
23) tert-Butyl Alcohol	4.77	59	73922m	109.384 ug/l	
24) Methyl tert-Butyl Ether	5.02	73	292011	20.589 ug/l #	100
25) Chloroform	7.36	83	179788	20.204 ug/l	100
26) Cyclohexane	7.64	56	144498	19.676 ug/l #	100
29) 1,1-Dichloropropene	7.78	75	130962	19.914 ug/l	98
30) 2-Butanone	6.82	43	297172	100.216 ug/l	99
31) 2,2-Dichloropropane	6.81	77	132507	19.084 ug/l	99
32) 1,1,1-Trichloroethane	7.56	97	143879	19.458 ug/l	97
33) Carbon Tetrachloride	7.76	117	112410	18.636 ug/l	99
34) Benzene	8.03	78	391501	20.091 ug/l	99
35) Methacrylonitrile	7.15	41	59165	21.512 ug/l	95
36) 1,2-Dichloroethane	8.11	62	150595	19.915 ug/l	99
37) Trichloroethene	8.82	130	93512	19.758 ug/l	98
38) Methylcyclohexane	9.07	83	142492	19.028 ug/l	98
39) 1,2-Dichloropropane	9.11	63	108561	19.838 ug/l	95
40) Dibromomethane	9.20	93	66448	19.964 ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	128732	19.184	ug/l	98
42) Vinyl Acetate	5.87	43	1267903	106.387	ug/l	99
43) Ethyl Acetate	6.91	43	123171	20.359	ug/l #	78
44) Isopropyl Acetate	8.15	43	206605	19.586	ug/l #	92
45) 1,4-Dioxane	9.19	88	34526	416.536	ug/l	97
46) Methyl methacrylate	9.19	41	100279	19.461	ug/l	99
47) n-amyl Acetate	12.07	43	185894	19.184	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	132682	18.573	ug/l	98
49) cis-1,3-Dichloropropene	9.83	75	150792	18.813	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	94879	19.652	ug/l	95
51) Ethyl methacrylate	10.43	69	148476	19.834	ug/l	98
52) 1,3-Dichloropropane	10.71	76	168834	19.997	ug/l	98
53) Dibromochloromethane	10.90	129	85795	17.994	ug/l	98
54) 1,2-Dibromoethane	11.00	107	92739	19.306	ug/l	99
55) 2-Chloroethyl vinyl ether	9.69	63	354874	99.764	ug/l	99
56) Bromoform	12.13	173	50678	17.157	ug/l	97
58) 4-Methyl-2-Pentanone	9.98	43	643294	110.282	ug/l	100
59) 2-Hexanone	10.75	43	462762	105.717	ug/l	100
61) Tetrachloroethene	10.63	164	77359	20.228	ug/l	100
62) Toluene	10.15	91	426932	20.498	ug/l	99
64) Chlorobenzene	11.43	112	261231	20.219	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	88717	19.776	ug/l	96
66) Ethyl Benzene	11.51	91	469346	20.648	ug/l	100
67) m/p-Xylenes	11.62	106	345970	39.877	ug/l	99
68) o-Xylene	11.95	106	169821	19.980	ug/l	97
69) Styrene	11.97	104	288320	19.896	ug/l	99
70) Isopropylbenzene	12.25	105	462091	20.564	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	141327	20.124	ug/l	98
72) 1,2,3-Trichloropropane	12.56	75	125132m	20.076	ug/l	
73) Bromobenzene	12.53	156	103490	19.237	ug/l	100
74) n-propylbenzene	12.59	91	538939	20.993	ug/l	100
75) 2-Chlorotoluene	12.68	91	316641	19.802	ug/l	99
76) 1,3,5-Trimethylbenzene	12.74	105	385247	20.134	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	30915	16.718	ug/l	98
78) 4-Chlorotoluene	12.78	91	318636	19.535	ug/l	99
79) tert-butylbenzene	13.00	119	335961	20.126	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	386464	20.271	ug/l	100
81) sec-Butylbenzene	13.17	105	448228	20.238	ug/l	100
82) p-Isopropyltoluene	13.29	119	396783	20.005	ug/l	99
83) 1,3-Dichlorobenzene	13.29	146	189969	18.998	ug/l	98
84) 1,4-Dichlorobenzene	13.37	146	191284	19.430	ug/l	98
85) n-Butylbenzene	13.62	91	362313	19.600	ug/l	98
86) Hexachloroethane	13.88	117	54214	17.160	ug/l	99
87) 1,2-Dichlorobenzene	13.66	146	191522	19.731	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.28	75	22742	18.393	ug/l	96
89) 1,2,4-Trichlorobenzene	14.91	180	114736	19.351	ug/l	96
90) Hexachlorobutadiene	15.01	225	51167	18.790	ug/l	98
91) Naphthalene	15.13	128	331053	20.292	ug/l	98
92) 1,2,3-Trichlorobenzene	15.30	180	112207	19.843	ug/l	98

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

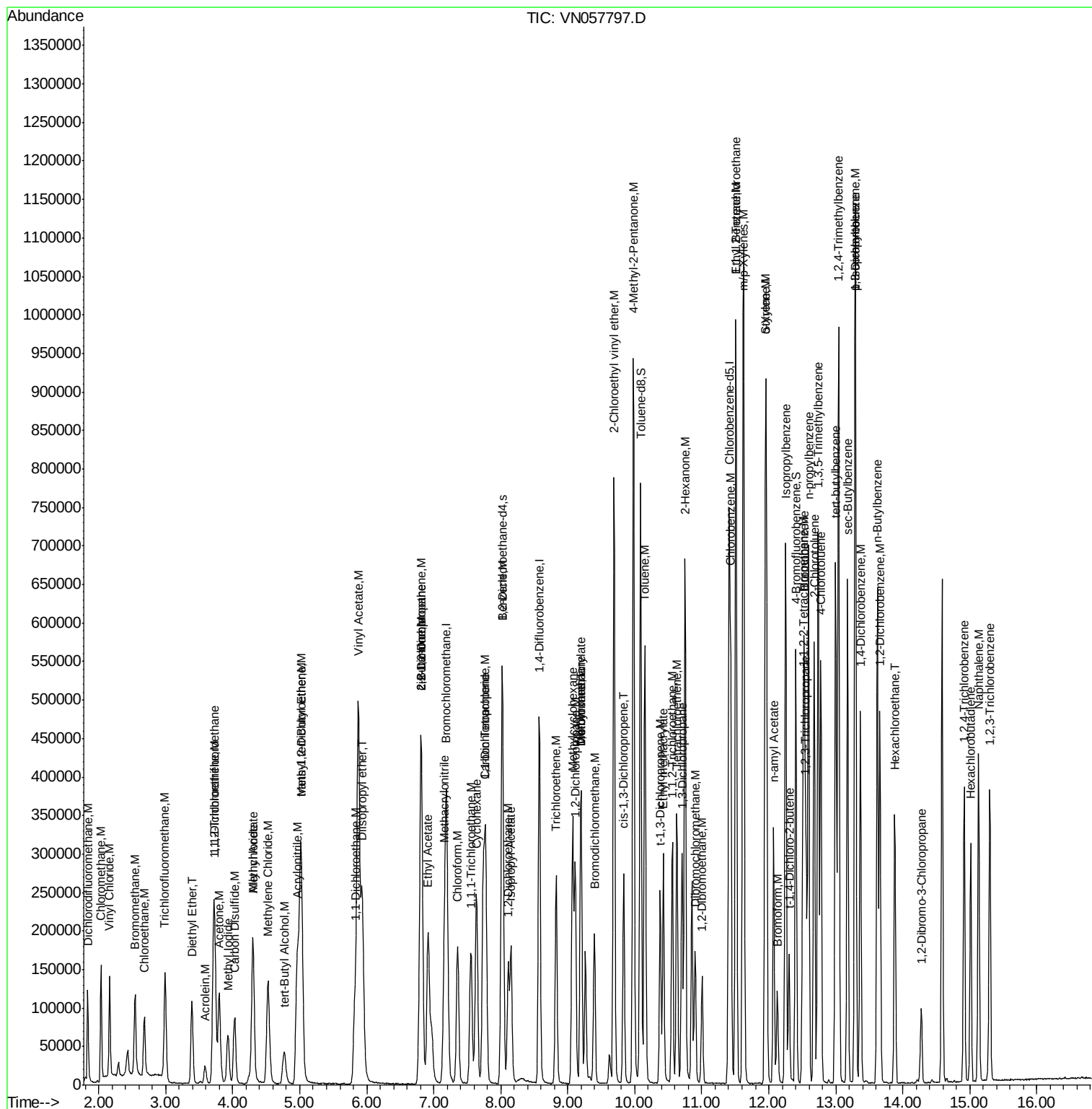
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN090919\
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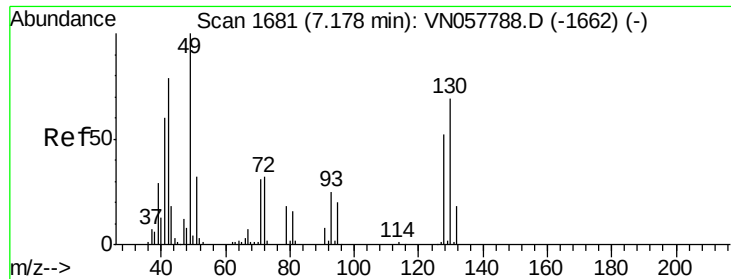
Instrument :
MSVOA_N
Client Sample ID :
VSTDCCC020EC

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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VN057797.D

Acq: 9 Sep 2019 13:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion:128 Resp: 69979

Ion Ratio Lower Upper

128 100

49 187.6 0.0 486.5

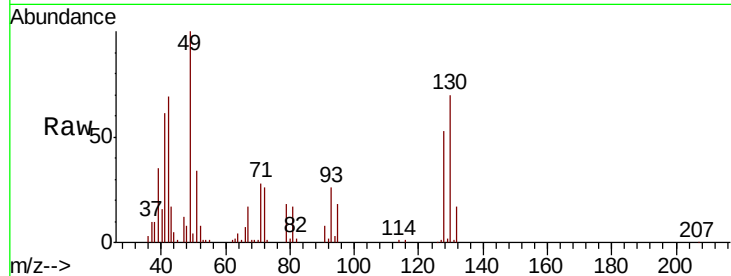
130 131.0 0.0 324.5

Manual Integrations

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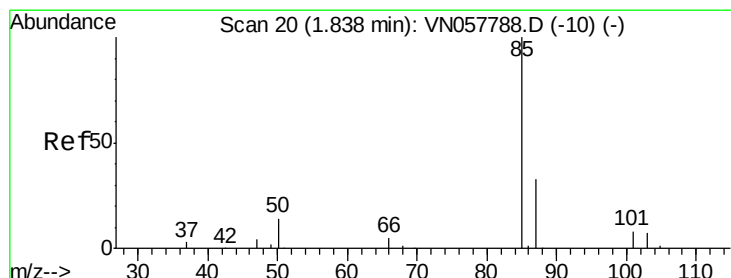
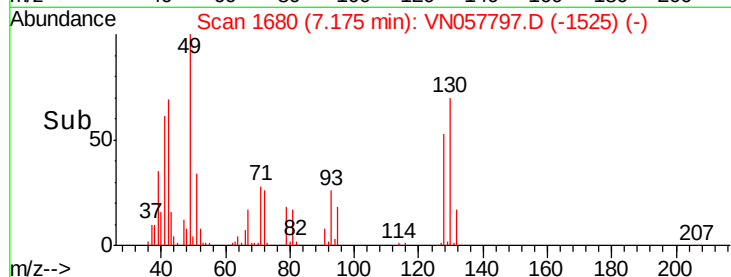
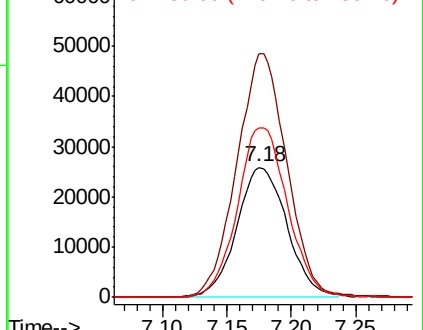
9/13/2019 11:05:09 AM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 20.514 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN057797.D

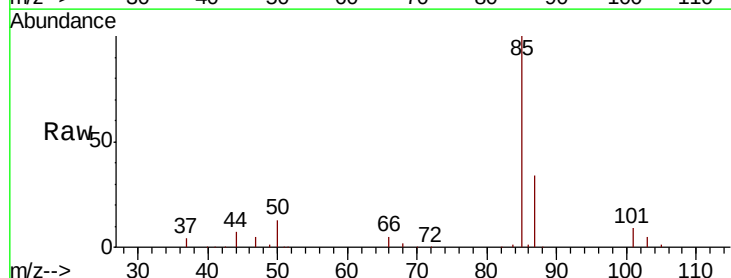
Acq: 9 Sep 2019 13:14

Tgt Ion: 85 Resp: 86733

Ion Ratio Lower Upper

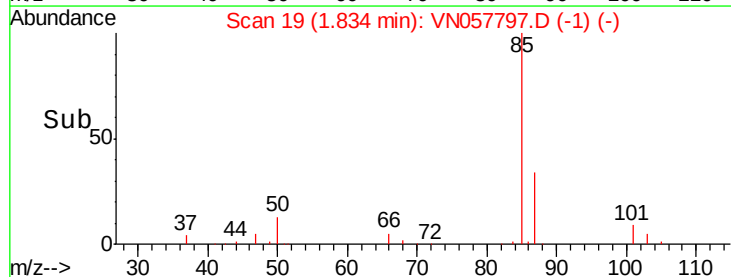
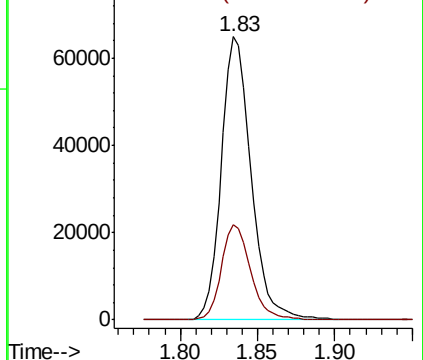
85 100

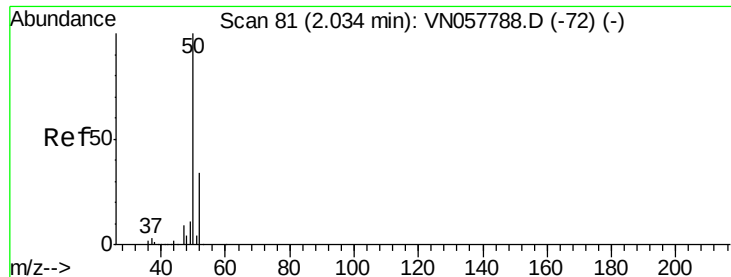
87 33.7 16.4 49.4



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 20.768 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN057797.D

Acq: 9 Sep 2019 13:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 50 Resp: 109489

Ion Ratio Lower Upper

50 100

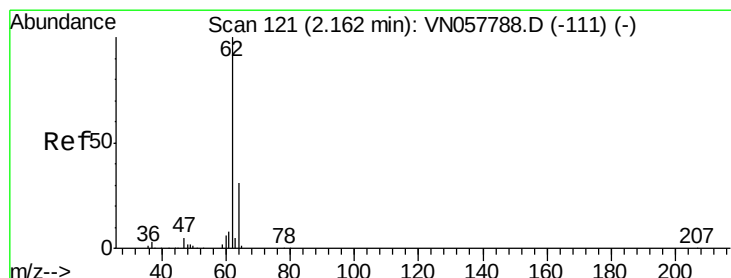
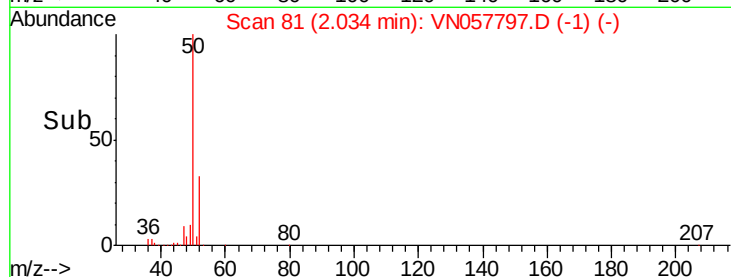
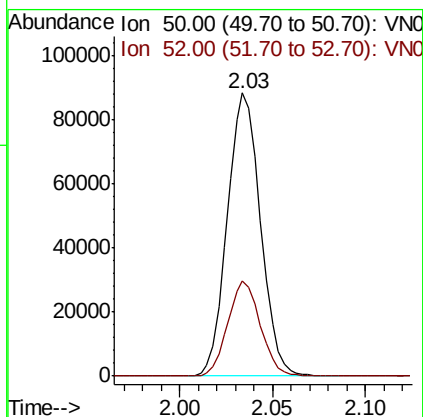
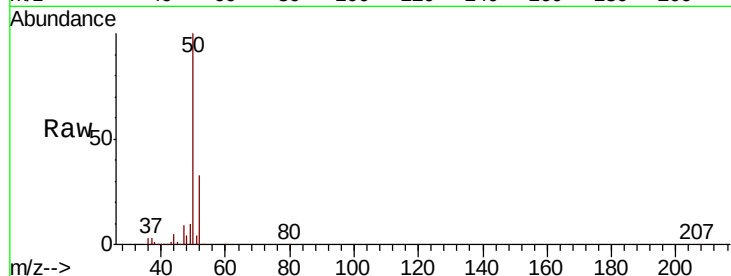
52 33.4 26.9 40.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 21.178 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN057797.D

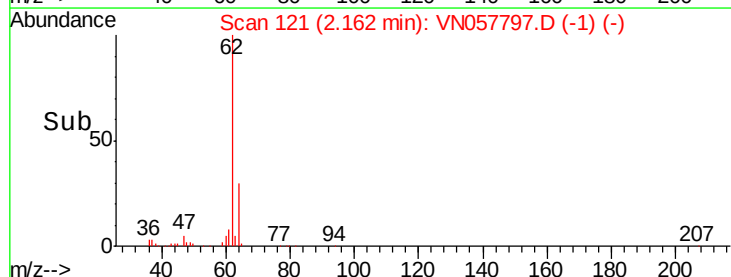
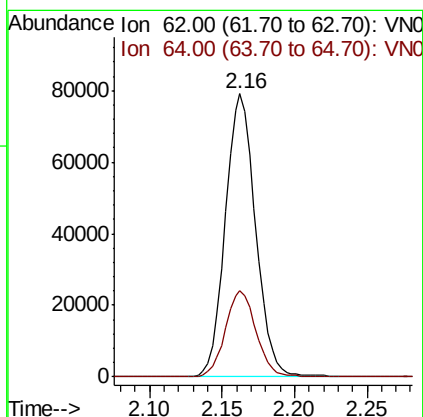
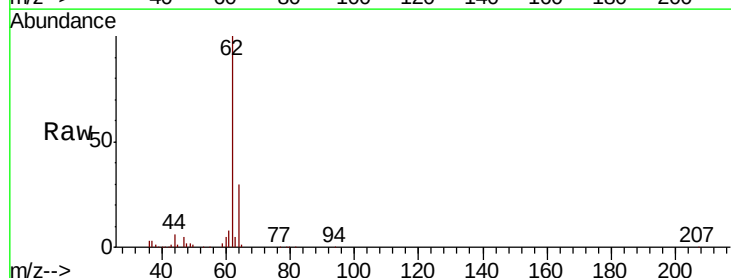
Acq: 9 Sep 2019 13:14

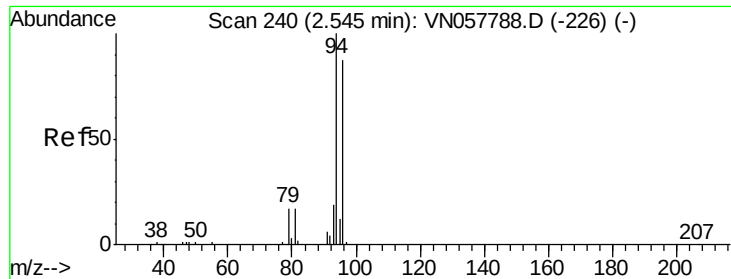
Tgt Ion: 62 Resp: 114235

Ion Ratio Lower Upper

62 100

64 30.3 25.0 37.6





#5

Bromomethane

Concen: 20.991 ug/l

RT: 2.54 min Scan# 239

Delta R.T. -0.00 min

Lab File: VN057797.D

Acq: 9 Sep 2019 13:14

Instrument :

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ClientSampleId :

VSTDCCC020EC

Tgt Ion: 94 Resp: 70662

Ion Ratio Lower Upper

94 100

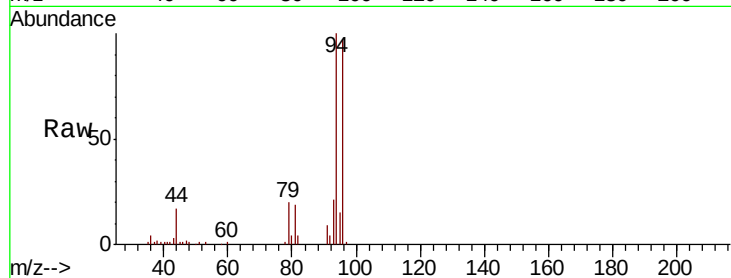
96 97.3 69.2 103.8

Manual Integrations

APPROVED

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9/13/2019 11:05:09 AM

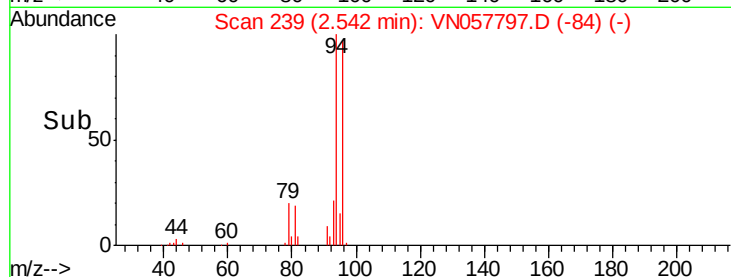


Abundance Ion 94.00 (93.70 to 94.70): VN057788.D (-226) (-)

Ion 96.00 (95.70 to 96.70): VN057788.D (-226) (-)

2.54

Time-->

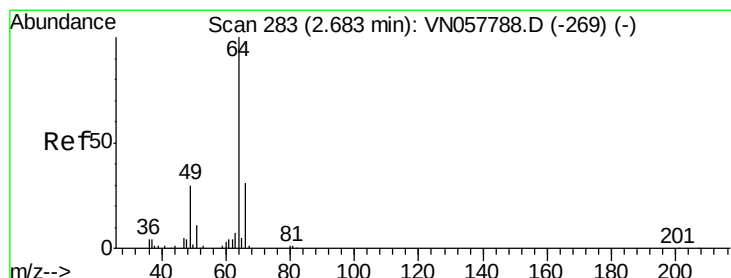


Abundance Ion 94.00 (93.70 to 94.70): VN057797.D (-84) (-)

Ion 96.00 (95.70 to 96.70): VN057797.D (-84) (-)

2.54

Time-->



#6

Chloroethane

Concen: 20.631 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.00 min

Lab File: VN057797.D

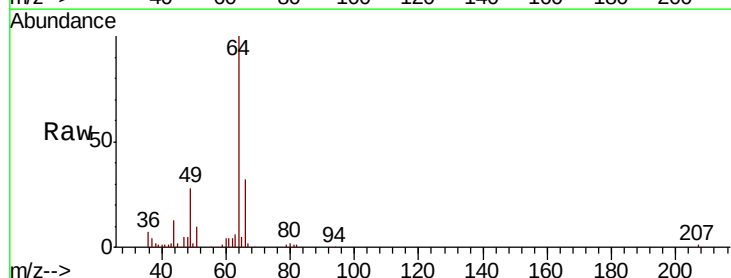
Acq: 9 Sep 2019 13:14

Tgt Ion: 64 Resp: 69161

Ion Ratio Lower Upper

64 100

66 32.2 24.4 36.6

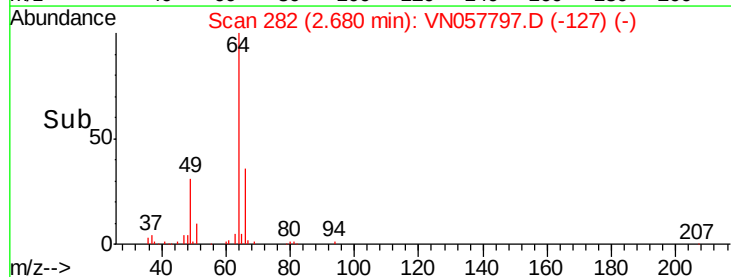


Abundance Ion 64.00 (63.70 to 64.70): VN057788.D (-269) (-)

Ion 66.00 (65.70 to 66.70): VN057788.D (-269) (-)

2.68

Time-->

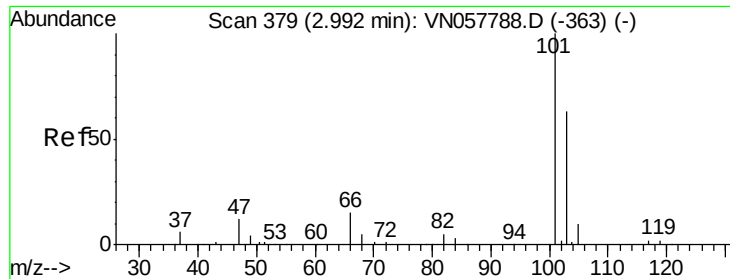


Abundance Ion 64.00 (63.70 to 64.70): VN057797.D (-127) (-)

Ion 66.00 (65.70 to 66.70): VN057797.D (-127) (-)

2.68

Time-->



#7

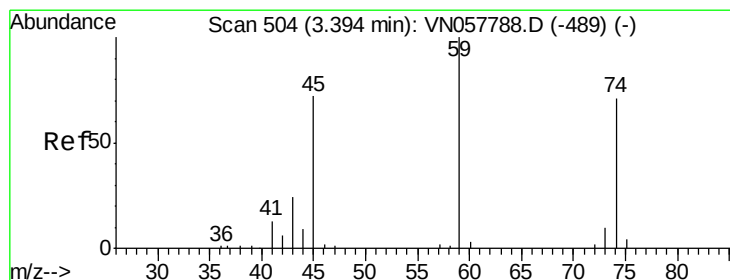
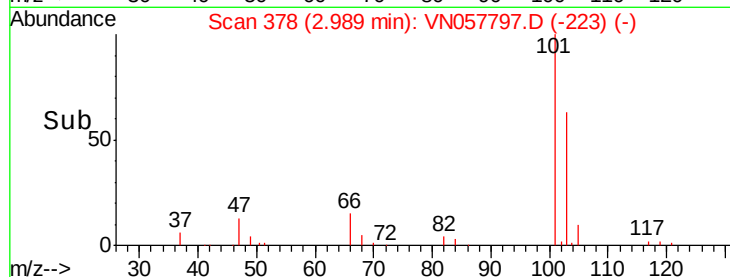
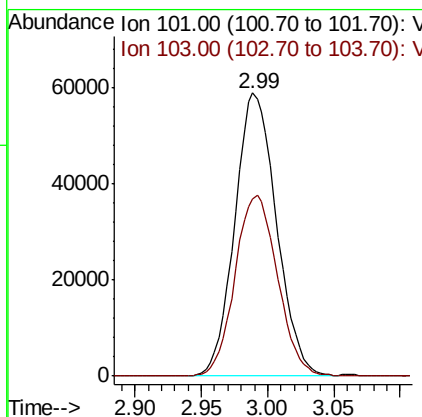
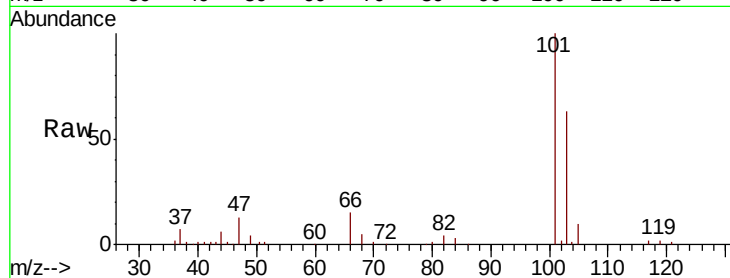
Trichlorofluoromethane
 Concen: 20.651 ug/l
 RT: 2.99 min Scan# 378
 Delta R.T. -0.00 min
 Lab File: VN057797.D
 Acq: 9 Sep 2019 13:14

Instrument :
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 VSTDCCC020EC

Tgt Ion	Ratio	Lower	Upper
101	100		
103	62.8	50.2	75.2

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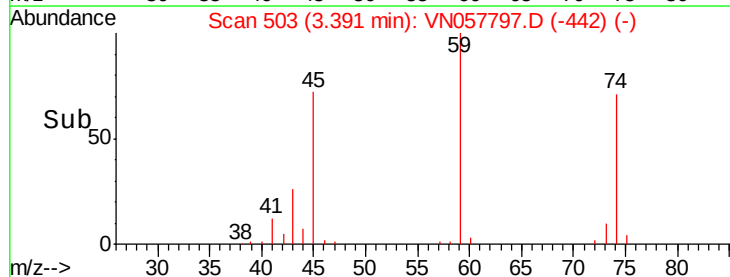
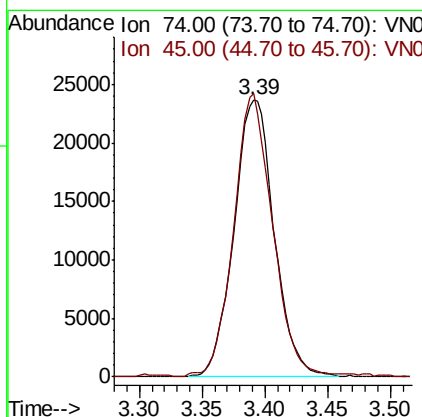
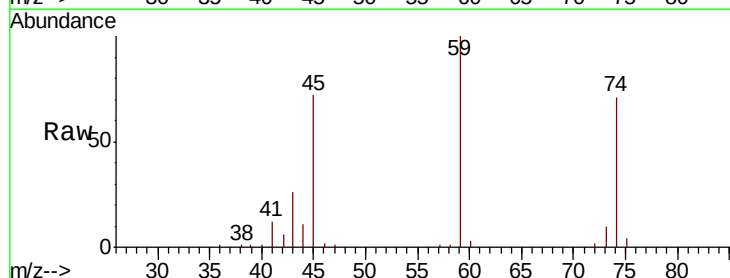
MMDadoda
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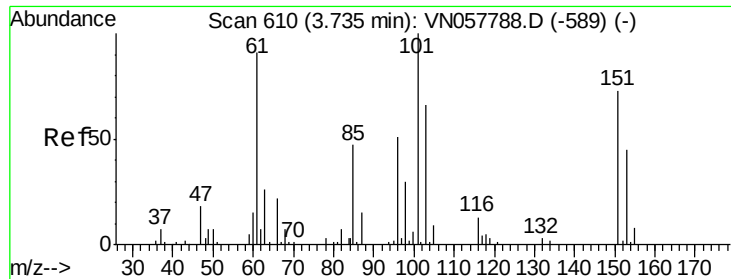


#8

Diethyl Ether
 Concen: 20.992 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. -0.00 min
 Lab File: VN057797.D
 Acq: 9 Sep 2019 13:14

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.7	20.3	182.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.751 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN057797.D

Acq: 9 Sep 2019 13:14

Instrument :

MSVOA_N

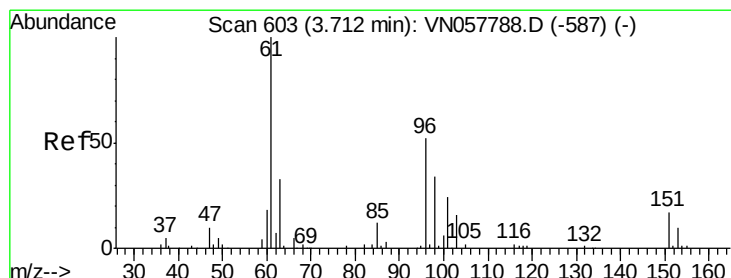
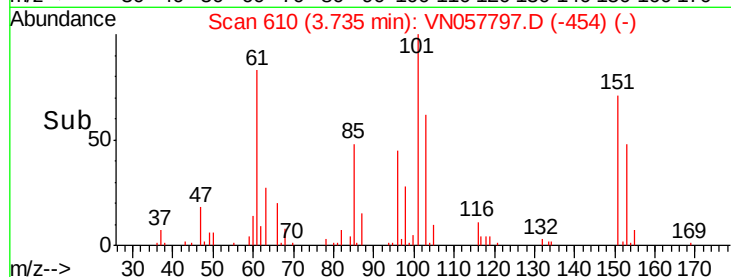
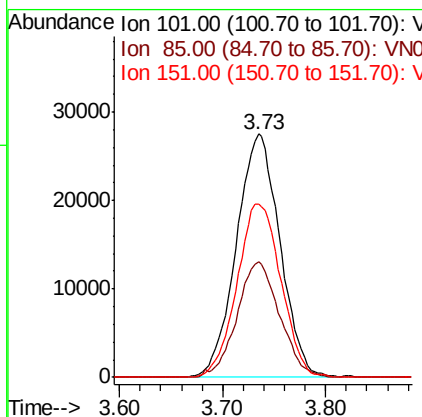
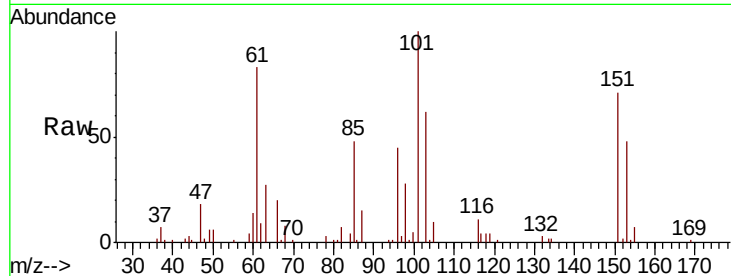
ClientSampleId :

VSTDCCC020EC

Tgt Ion:	101	Resp:	80746
Ion Ratio	Lower	Upper	
101	100		
85	46.2	0.0	94.0
151	71.9	0.0	144.4

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9/13/2019 11:05:09 AM



#10

1,1-Dichloroethene

Concen: 20.337 ug/l

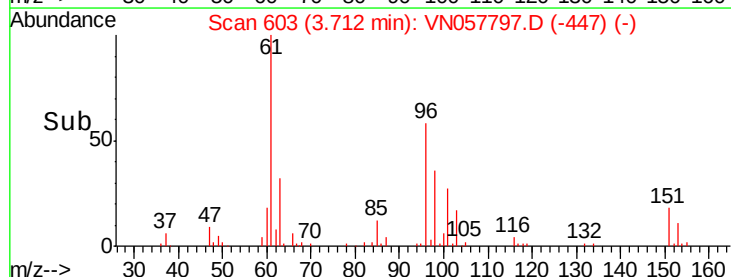
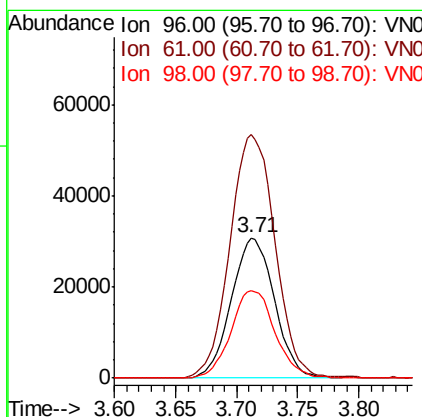
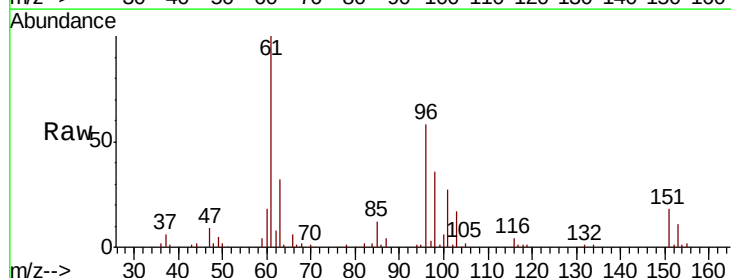
RT: 3.71 min Scan# 603

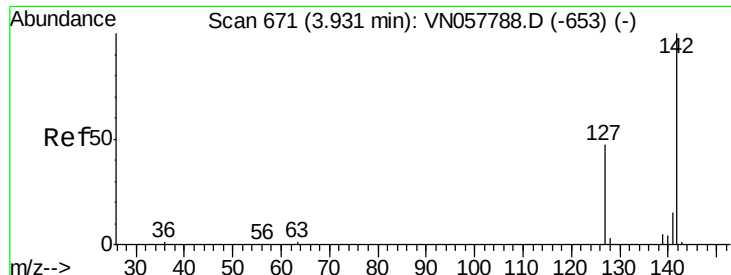
Delta R.T. 0.00 min

Lab File: VN057797.D

Acq: 9 Sep 2019 13:14

Tgt Ion:	96	Resp:	75252
Ion Ratio	Lower	Upper	
96	100		
61	172.3	153.4	230.0
98	62.0	51.5	77.3





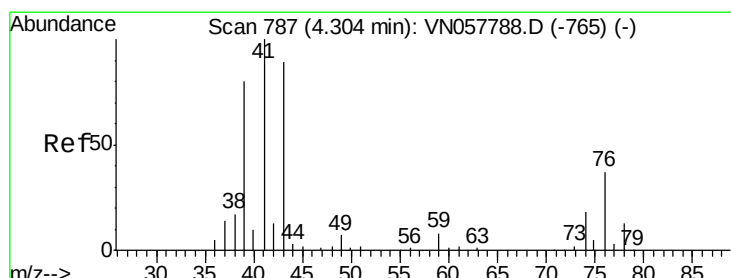
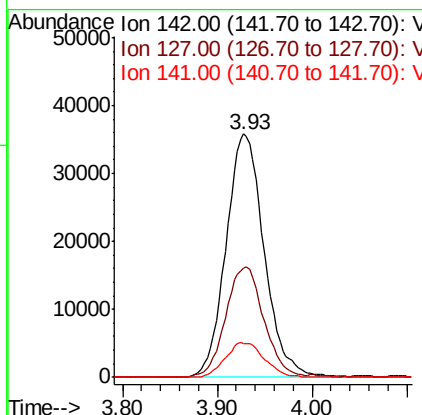
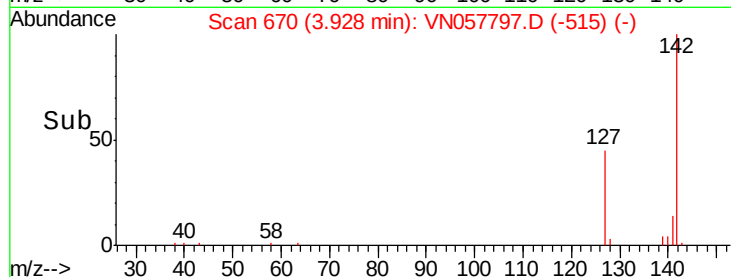
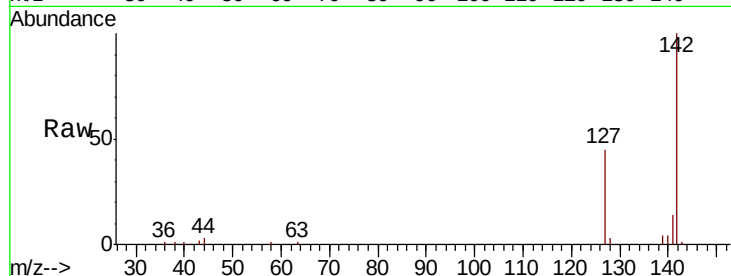
#11
Methyl Iodide
Concen: 20.236 ug/l
RT: 3.93 min Scan# 670
Delta R.T. -0.00 min
Lab File: VN057797.D
Acq: 9 Sep 2019 13:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion	Ratio	Lower	Upper
142	100		
127	44.9	23.3	69.8
141	13.7	7.5	22.6

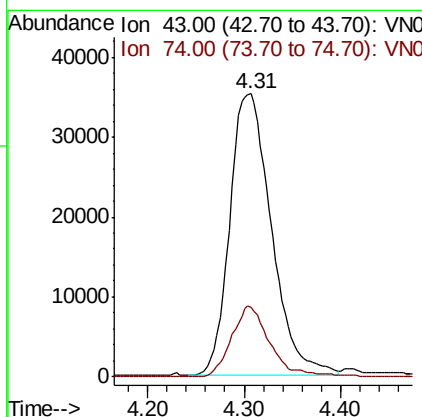
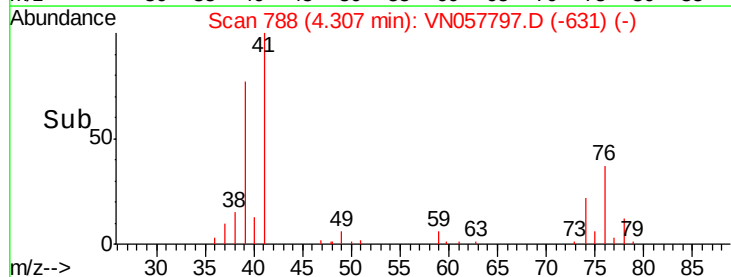
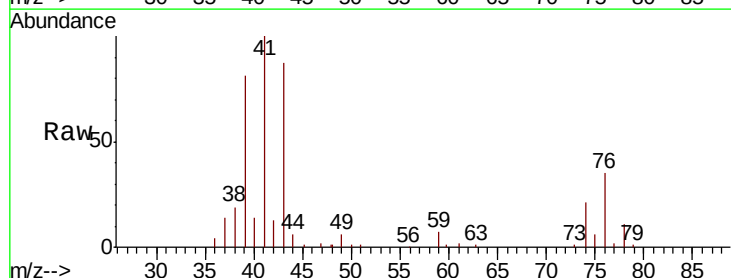
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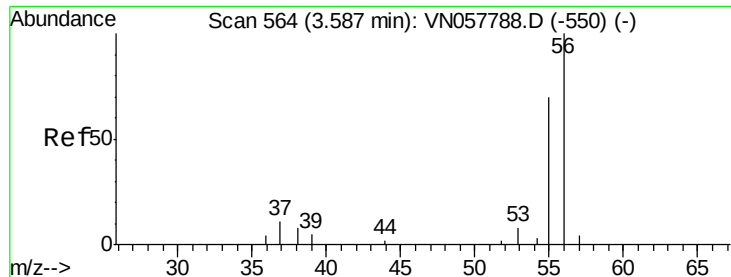
MMDadoda
9/13/2019 11:05:09 AM



#12
Methyl Acetate
Concen: 20.779 ug/l
RT: 4.31 min Scan# 788
Delta R.T. 0.00 min
Lab File: VN057797.D
Acq: 9 Sep 2019 13:14

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.4	16.2	24.4#





#13

Acrolein

Concen: 91.025 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.00 min

Lab File: VN057797.D

Acq: 9 Sep 2019 13:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 56 Resp: 25079

Ion Ratio Lower Upper

56 100

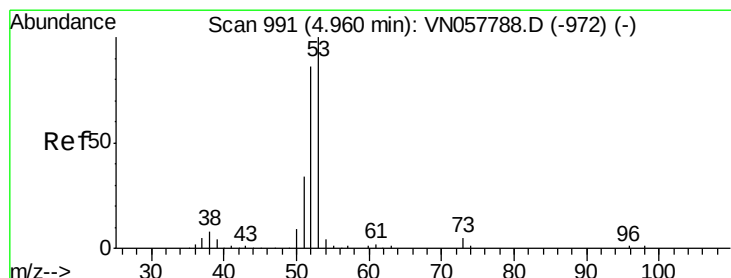
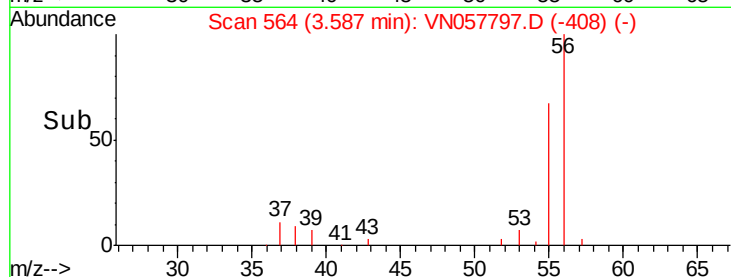
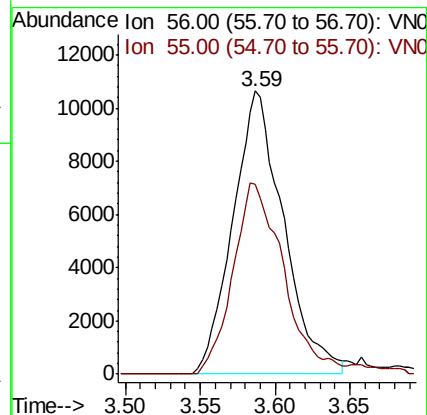
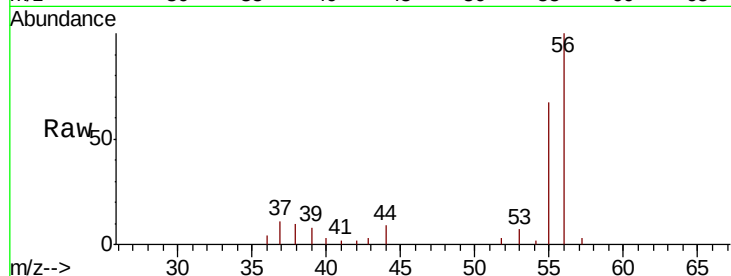
55 65.7 59.0 88.4

Manual Integrations

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#14

Acrylonitrile

Concen: 103.693 ug/l

RT: 4.96 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN057797.D

Acq: 9 Sep 2019 13:14

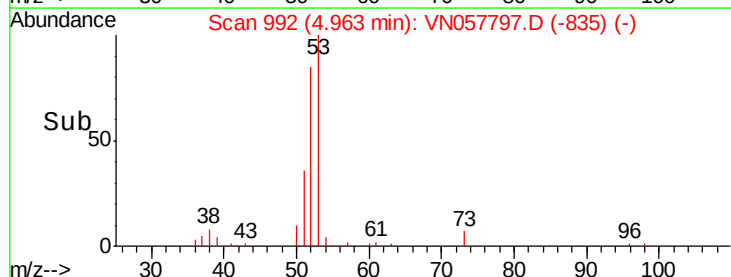
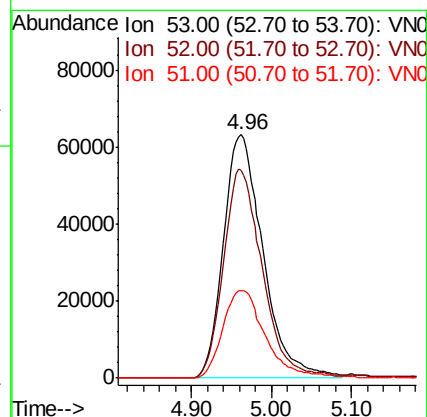
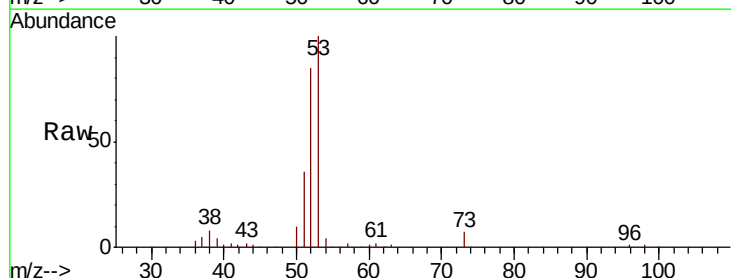
Tgt Ion: 53 Resp: 214655

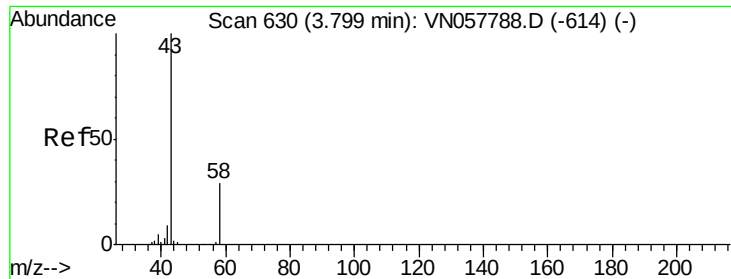
Ion Ratio Lower Upper

53 100

52 83.5 41.0 123.0

51 38.0 8.6 25.8#





#15

Acetone

Concen: 96.583 ug/l

RT: 3.80 min Scan# 630

Delta R.T. 0.00 min

Lab File: VN057797.D

Acq: 9 Sep 2019 13:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 58 Resp: 56762

Ion Ratio Lower Upper

58 100

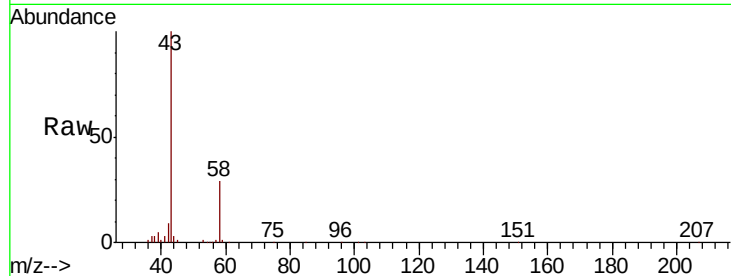
43 340.3 277.7 416.5

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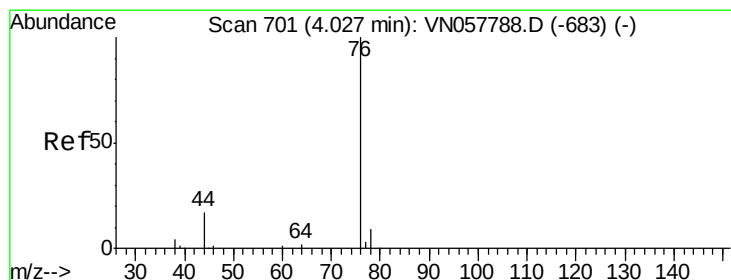
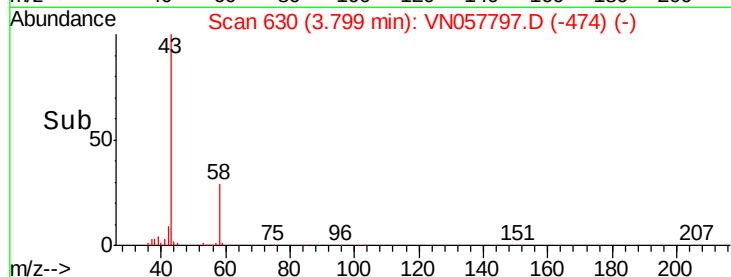
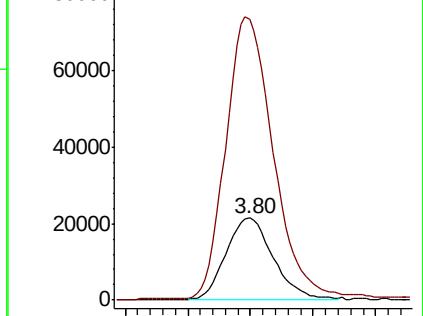
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Abundance Ion 58.00 (57.70 to 58.70): VN057788.D (-614) (-)

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



#16

Carbon Disulfide

Concen: 19.652 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN057797.D

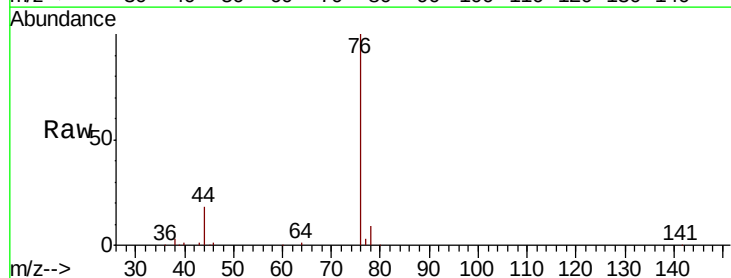
Acq: 9 Sep 2019 13:14

Tgt Ion: 76 Resp: 169330

Ion Ratio Lower Upper

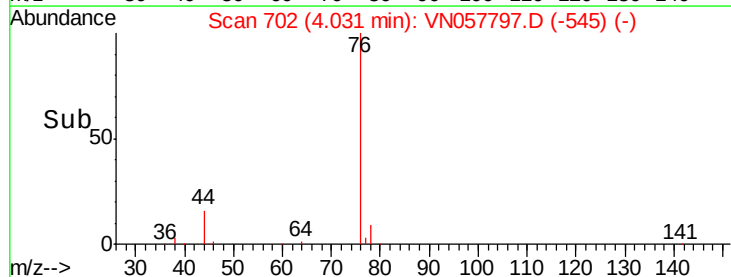
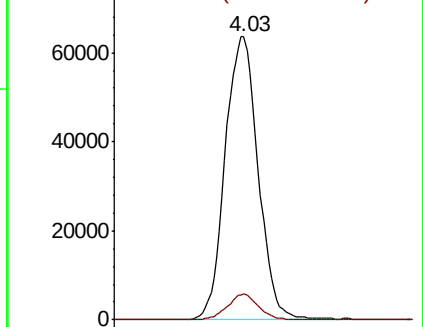
76 100

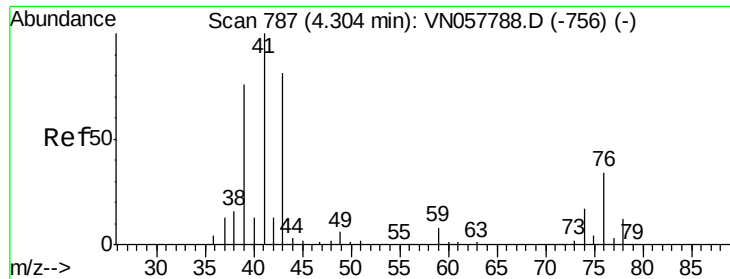
78 9.0 7.4 11.0



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

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





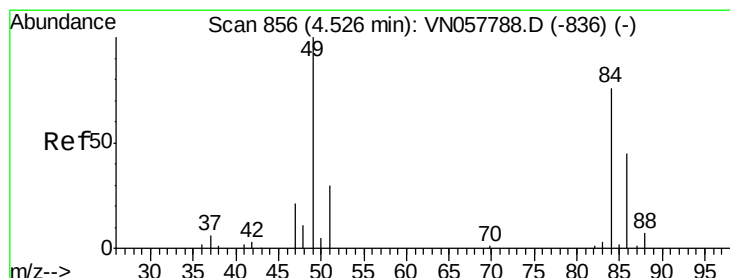
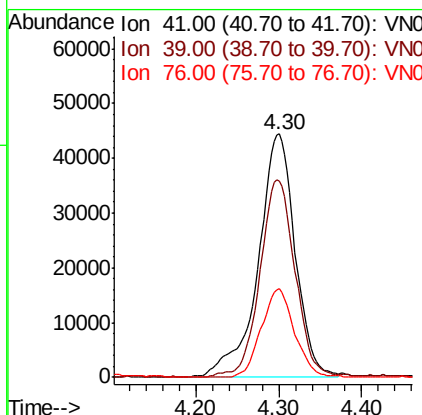
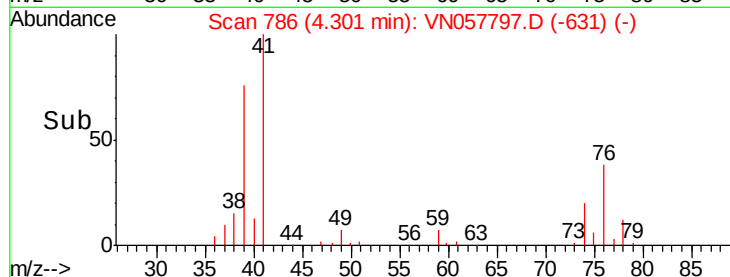
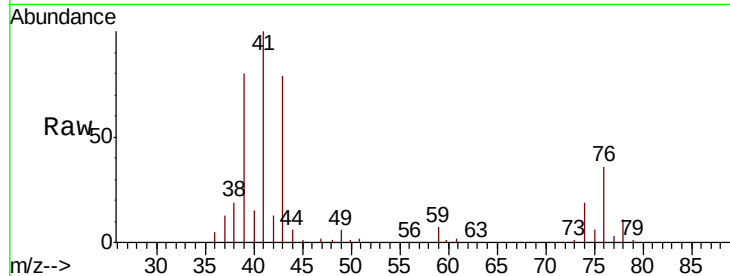
#17
 Allyl chloride
 Concen: 20.428 ug/l
 RT: 4.30 min Scan# 786
 Delta R.T. -0.00 min
 Lab File: VN057797.D
 Acq: 9 Sep 2019 13:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tgt Ion:	41	Resp:	138513
Ion	Ratio	Lower	Upper
41	100		
39	80.1	38.5	115.3
76	36.2	17.2	51.6

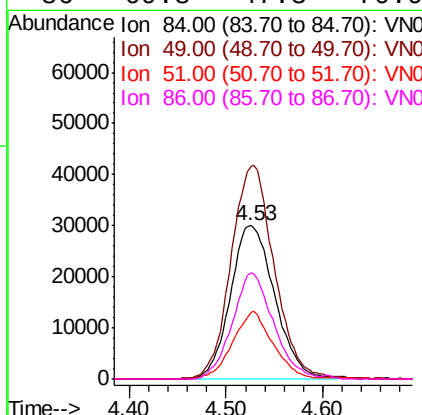
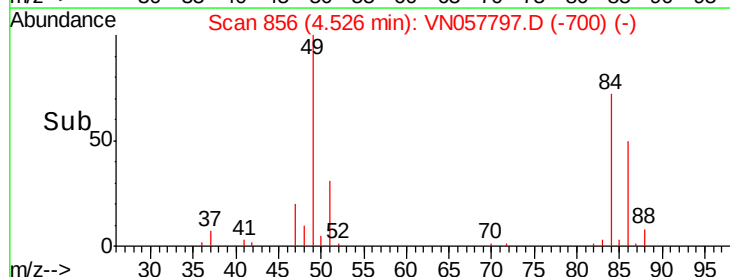
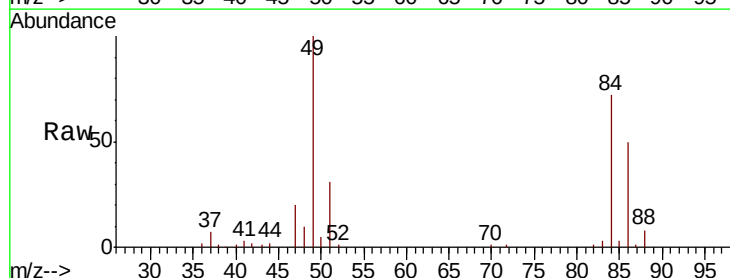
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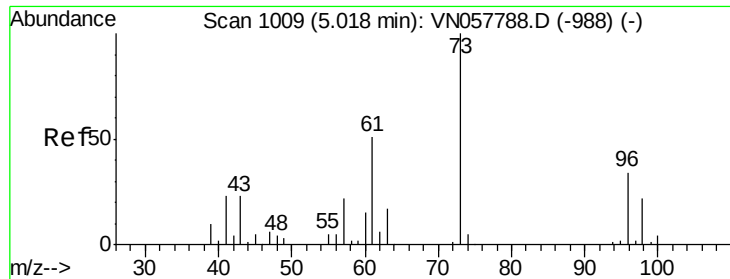
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#18
 Methylene Chloride
 Concen: 20.578 ug/l
 RT: 4.53 min Scan# 856
 Delta R.T. 0.00 min
 Lab File: VN057797.D
 Acq: 9 Sep 2019 13:14

Tgt Ion:	84	Resp:	95954
Ion	Ratio	Lower	Upper
84	100		
49	138.3	105.4	158.2
51	43.2	31.3	46.9
86	69.8	47.3	70.9





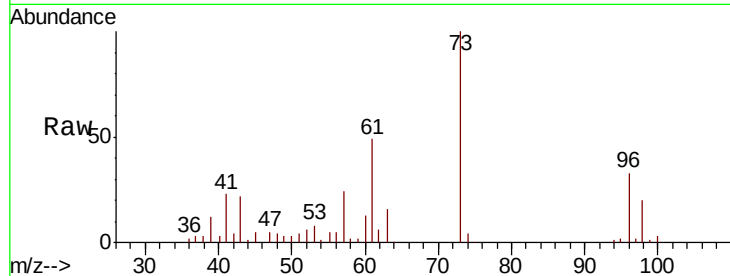
#19
trans-1,2-Dichloroethene
Concen: 20.378 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN057797.D
Acq: 9 Sep 2019 13:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

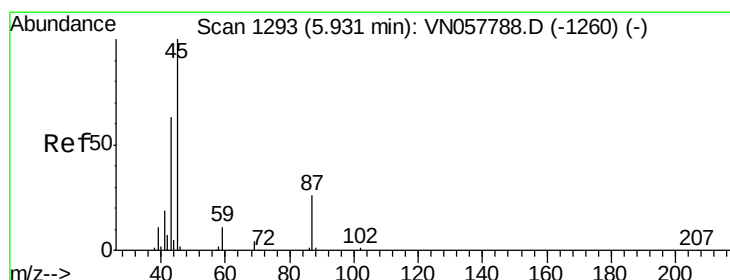
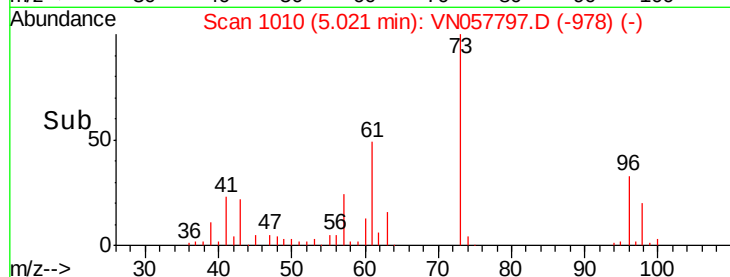
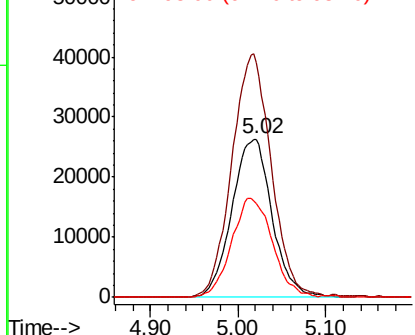
Tgt Ion: 96 Resp: 84039
Ion Ratio Lower Upper
96 100
61 148.4 121.0 181.6
98 58.9 52.7 79.1

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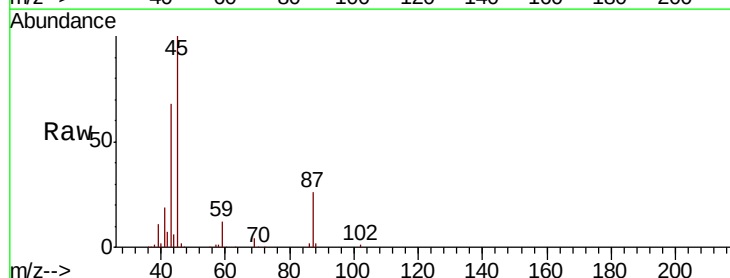


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

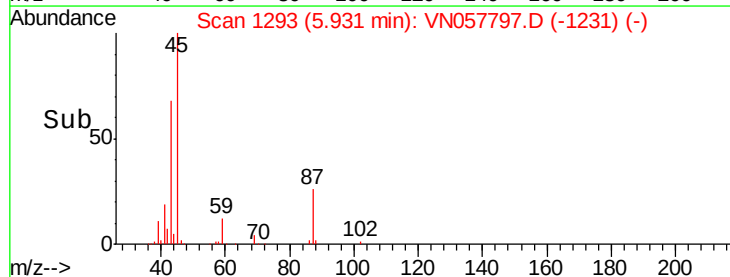
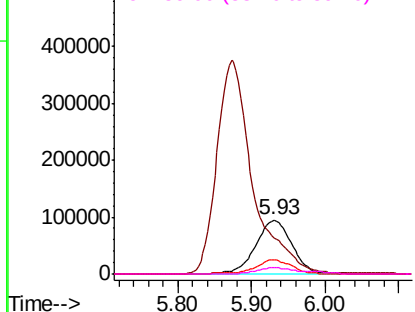


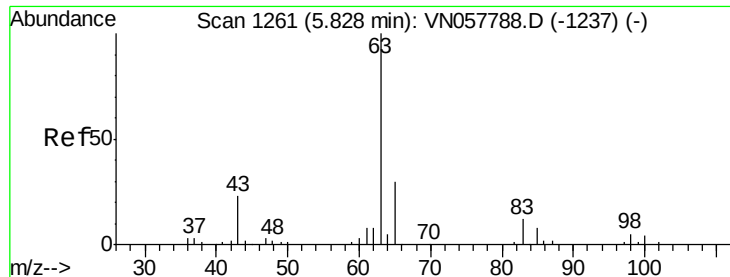
#20
Diisopropyl ether
Concen: 20.424 ug/l
RT: 5.93 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VN057797.D
Acq: 9 Sep 2019 13:14

Tgt Ion: 45 Resp: 323752
Ion Ratio Lower Upper
45 100
43 66.3 55.2 82.8
87 26.0 21.3 31.9
59 11.4 9.1 13.7



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0





#21

1,1-Dichloroethane

Concen: 20.522 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VN057797.D

Acq: 9 Sep 2019 13:14

Instrument :

MSVOA_N

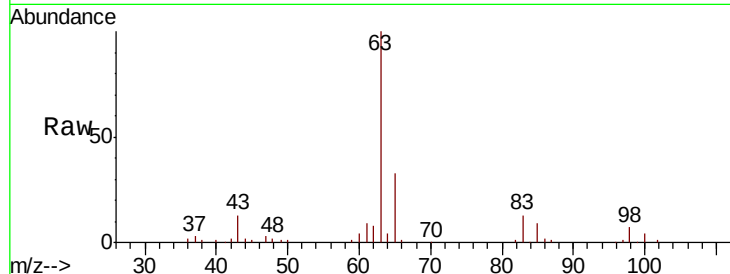
ClientSampleId :

VSTDCCC020EC

Tgt Ion:	63	Resp:	179367
Ion	Ratio	Lower	Upper
63	100		
98	6.7	2.8	8.3
100	4.1	1.8	5.5

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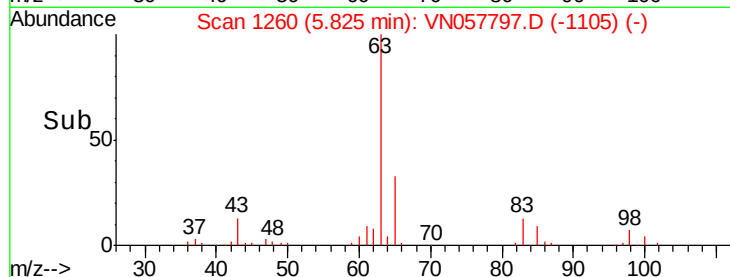


Abundance Ion 63.00 (62.70 to 63.70): VN057797.D (-1105) (-)

Ion 98.00 (97.70 to 98.70): VN057797.D (-1105) (-)

Ion 100.00 (99.70 to 100.70): VN057797.D (-1105) (-)

Time-->



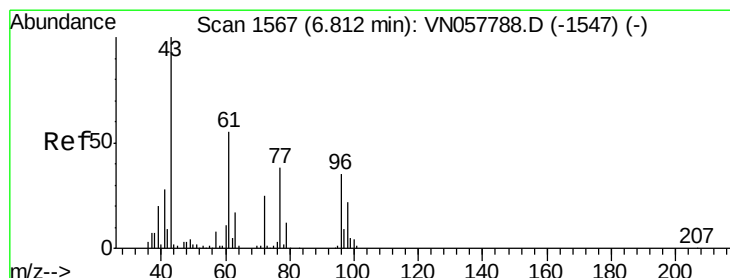
Abundance

Ion 63.00 (62.70 to 63.70): VN057797.D (-1105) (-)

Ion 98.00 (97.70 to 98.70): VN057797.D (-1105) (-)

Ion 100.00 (99.70 to 100.70): VN057797.D (-1105) (-)

Time-->



#22

cis-1,2-Dichloroethene

Concen: 20.145 ug/l

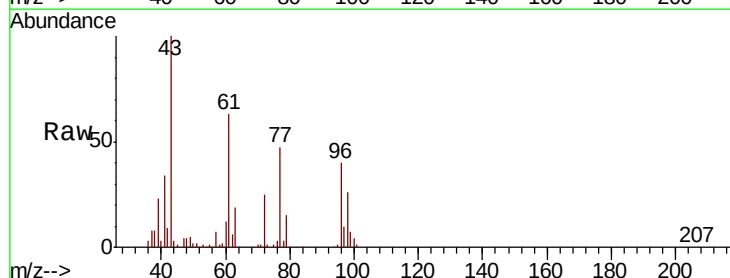
RT: 6.81 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN057797.D

Acq: 9 Sep 2019 13:14

Tgt Ion:	96	Resp:	101792
Ion	Ratio	Lower	Upper
96	100		
61	159.6	127.4	191.0
98	64.7	51.5	77.3

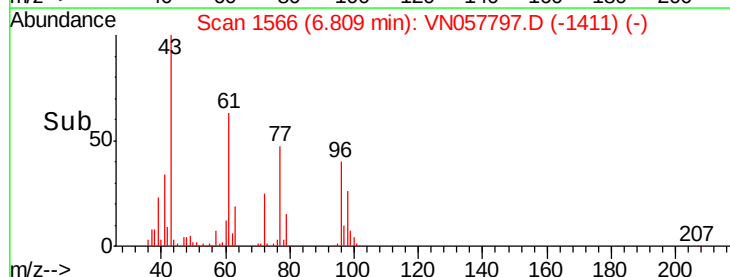


Abundance Ion 96.00 (95.70 to 96.70): VN057797.D (-1411) (-)

Ion 61.00 (60.70 to 61.70): VN057797.D (-1411) (-)

Ion 98.00 (97.70 to 98.70): VN057797.D (-1411) (-)

Time-->



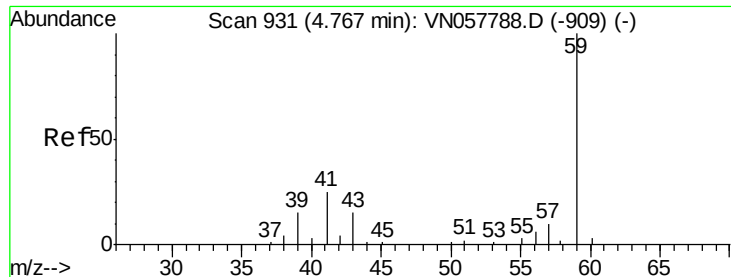
Abundance

Ion 96.00 (95.70 to 96.70): VN057797.D (-1411) (-)

Ion 61.00 (60.70 to 61.70): VN057797.D (-1411) (-)

Ion 98.00 (97.70 to 98.70): VN057797.D (-1411) (-)

Time-->



#23

tert-Butyl Alcohol

Concen: 109.384 ug/l m

RT: 4.77 min Scan# 931

Delta R.T. 0.00 min

Lab File: VN057797.D

Acq: 9 Sep 2019 13:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 59 Resp: 73922

Ion Ratio Lower Upper

59 100

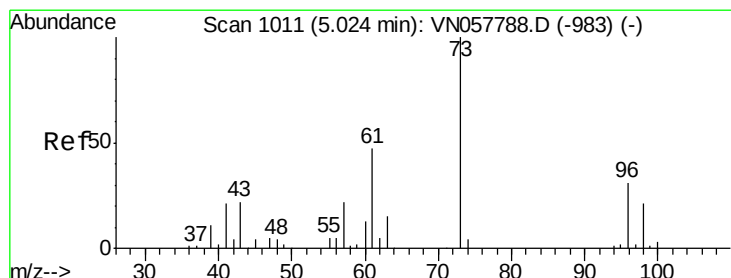
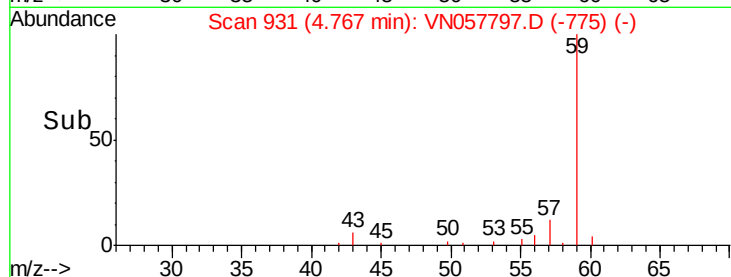
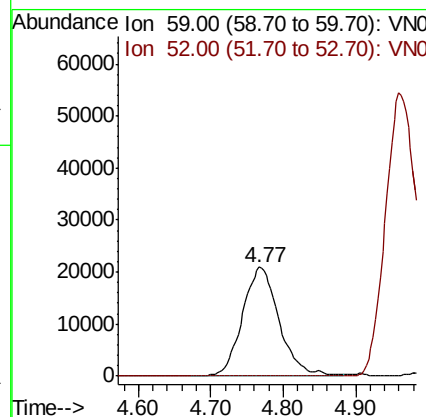
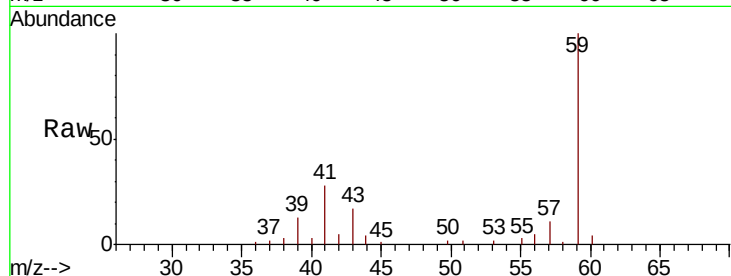
52 0.1 0.0 0.0#

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#24

Methyl tert-Butyl Ether

Concen: 20.589 ug/l

RT: 5.02 min Scan# 1010

Delta R.T. -0.00 min

Lab File: VN057797.D

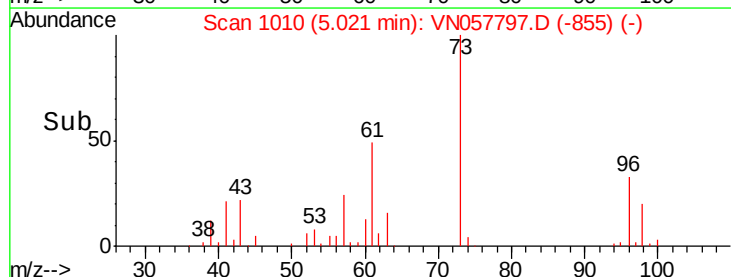
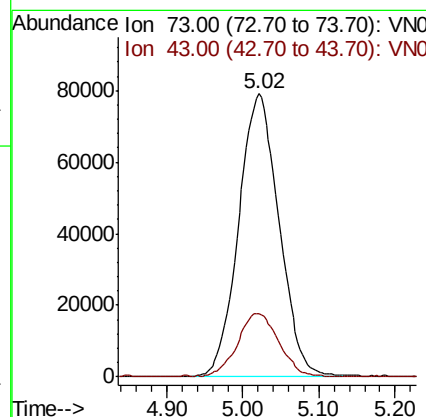
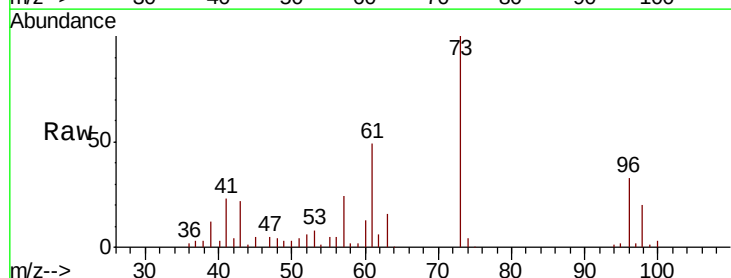
Acq: 9 Sep 2019 13:14

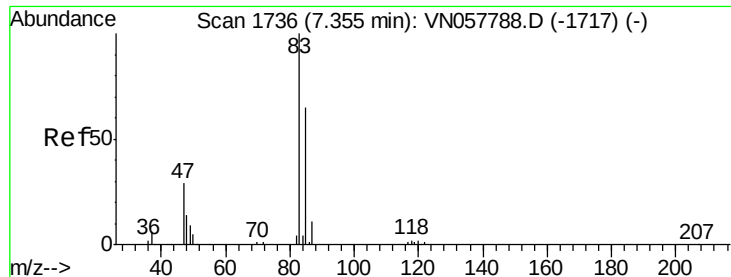
Tgt Ion: 73 Resp: 292011

Ion Ratio Lower Upper

73 100

43 22.0 0.0 0.0#





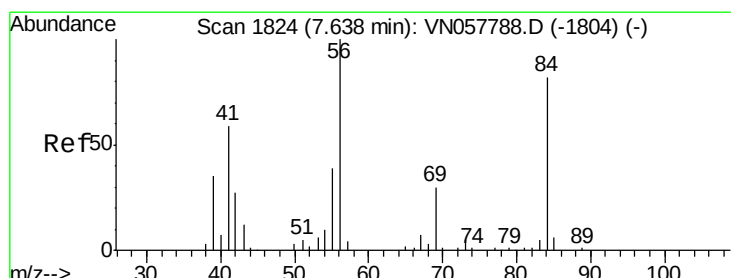
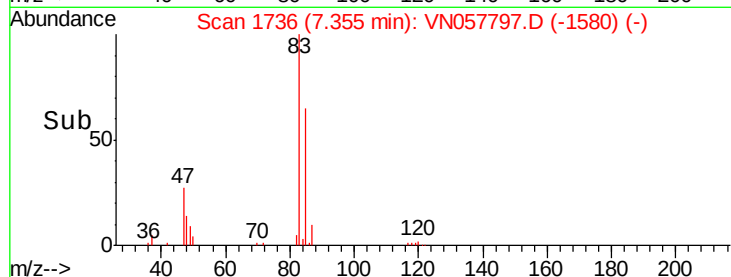
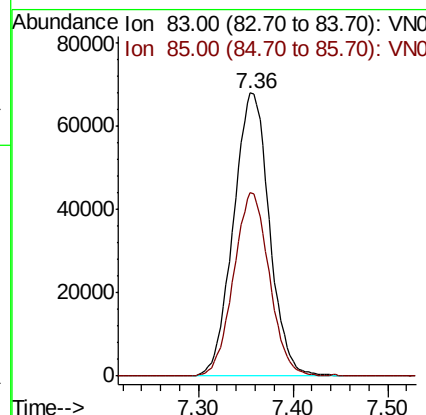
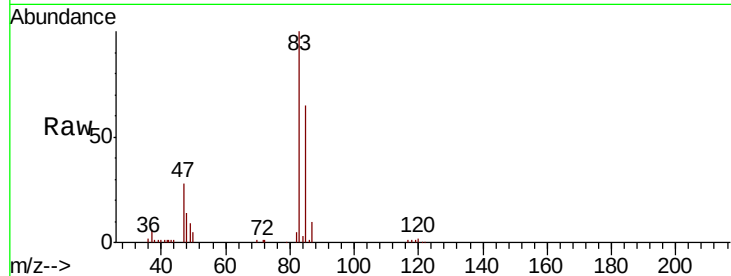
#25
Chloroform
Concen: 20.204 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN057797.D
Acq: 9 Sep 2019 13:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 83 Resp: 179788
Ion Ratio Lower Upper
83 100
85 64.7 51.8 77.6

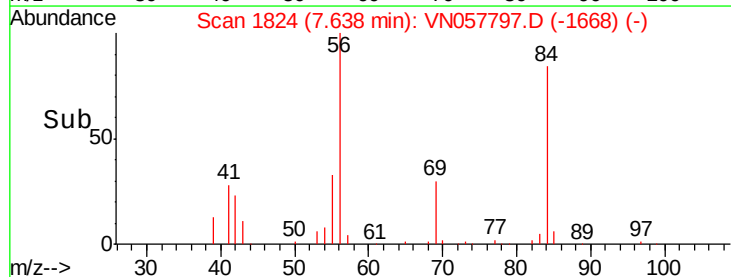
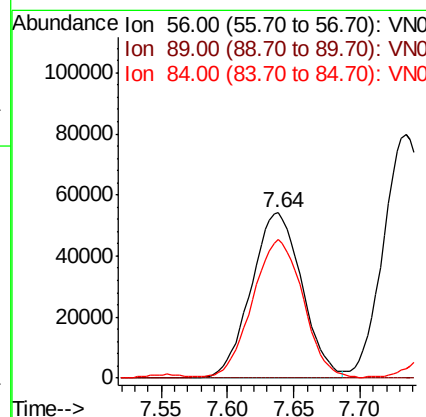
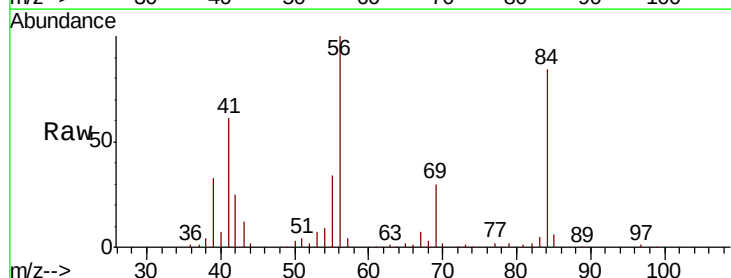
Manual Integrations
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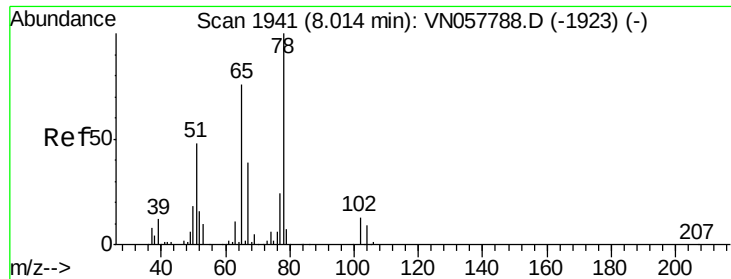
MMDadoda
9/13/2019 11:05:09 AM



#26
Cyclohexane
Concen: 19.676 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.00 min
Lab File: VN057797.D
Acq: 9 Sep 2019 13:14

Tgt Ion: 56 Resp: 144498
Ion Ratio Lower Upper
56 100
89 0.1 0.3 0.5#
84 83.6 66.6 100.0





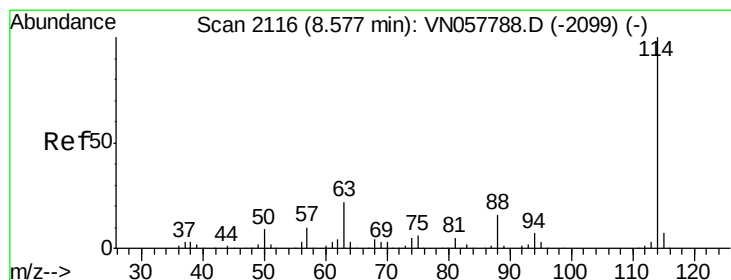
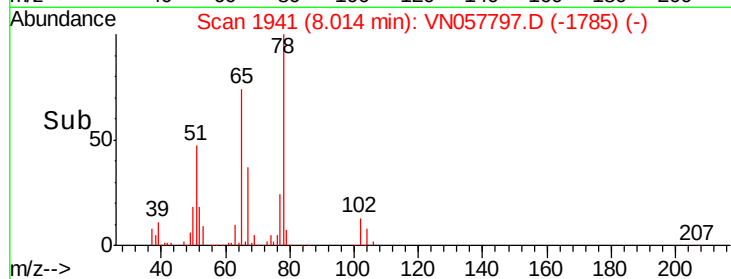
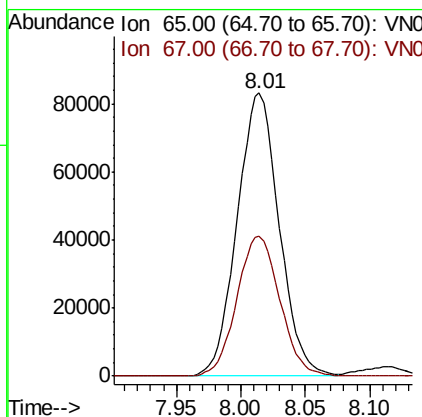
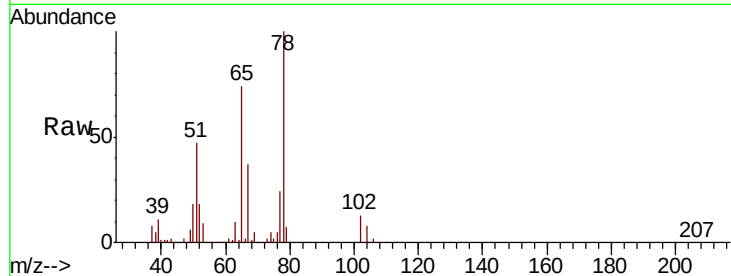
#27
 1,2-Dichloroethane-d4
 Concen: 30.577 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN057797.D
 Acq: 9 Sep 2019 13:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tgt Ion: 65 Resp: 189273
 Ion Ratio Lower Upper
 65 100
 67 50.5 40.9 61.3

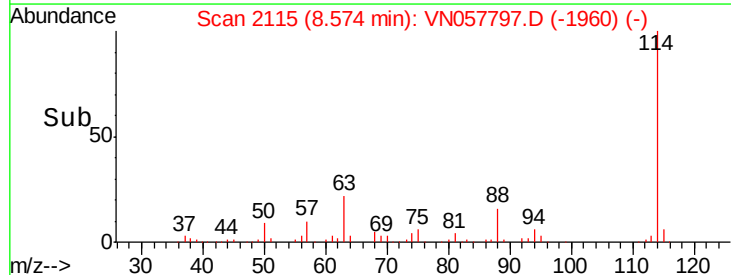
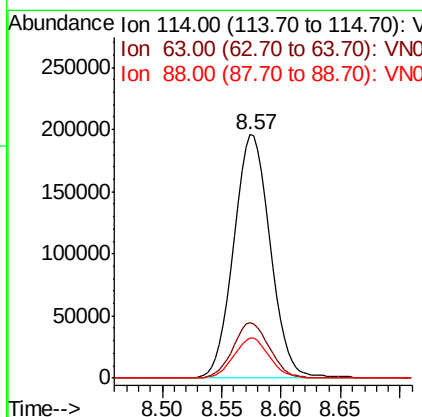
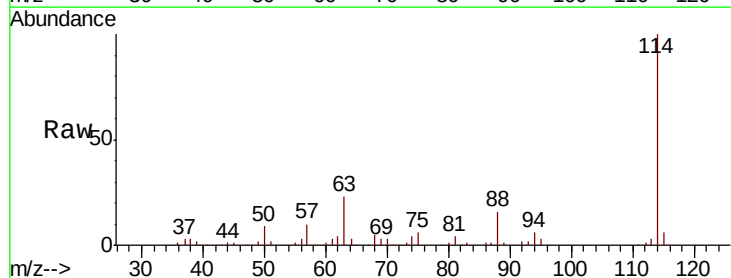
Manual Integrations
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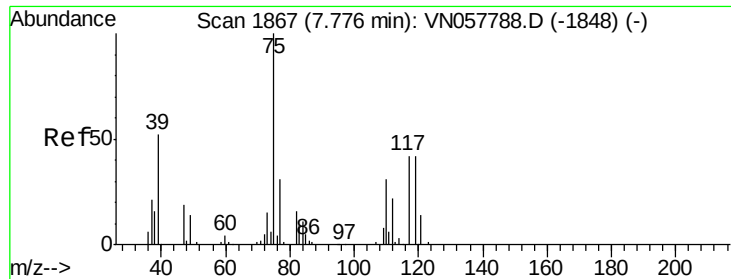
MMDadoda
 9/13/2019 11:05:09 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN057797.D
 Acq: 9 Sep 2019 13:14

Tgt Ion: 114 Resp: 418049
 Ion Ratio Lower Upper
 114 100
 63 22.7 18.0 27.0
 88 16.2 12.6 19.0





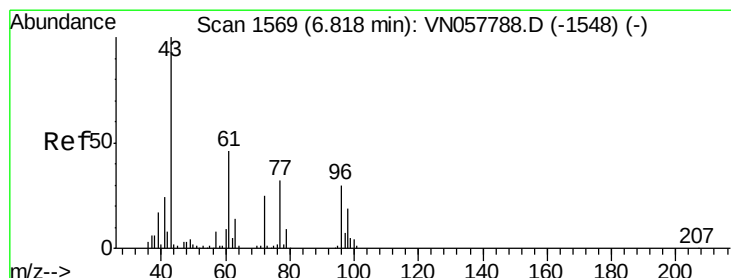
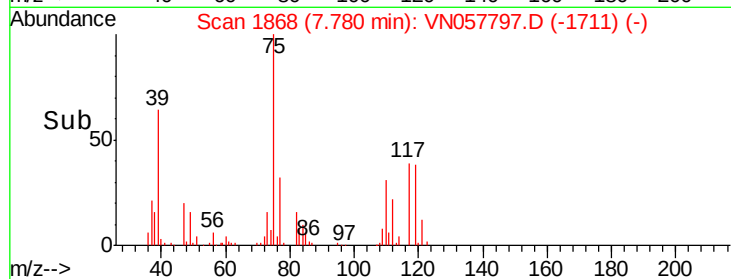
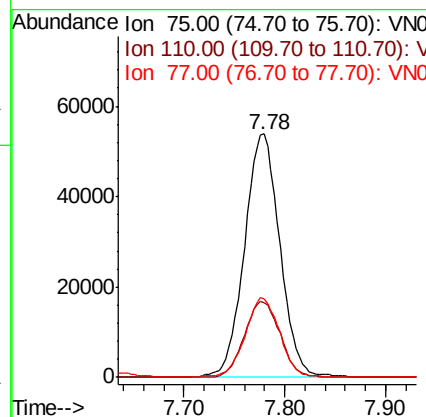
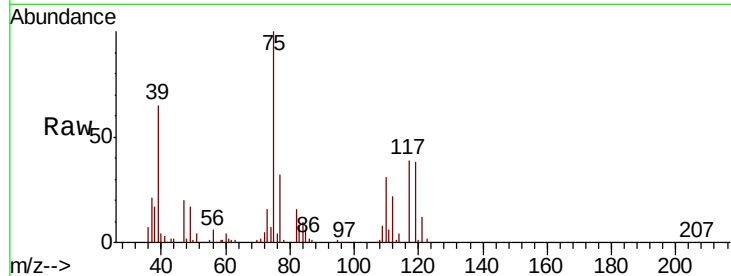
#29
 1,1-Dichloropropene
 Concen: 19.914 ug/l
 RT: 7.78 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VN057797.D
 Acq: 9 Sep 2019 13:14

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC020EC

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	130962		
110	31.2	0.0	63.8	
77	31.8	0.0	60.0	

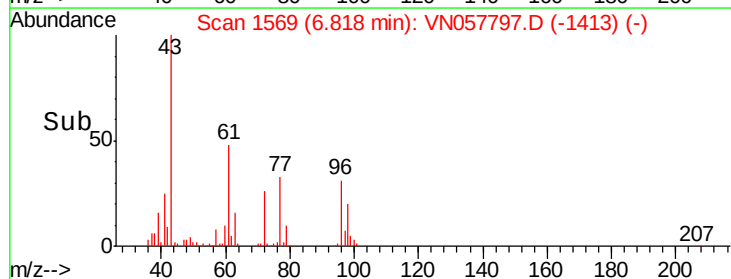
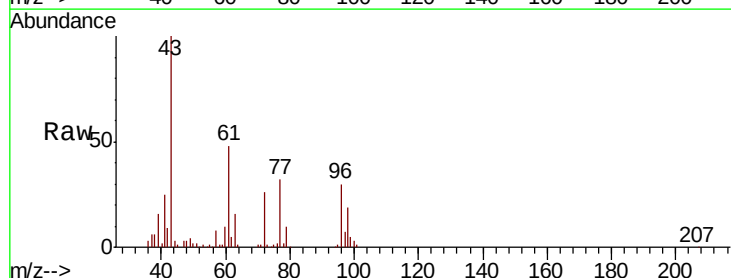
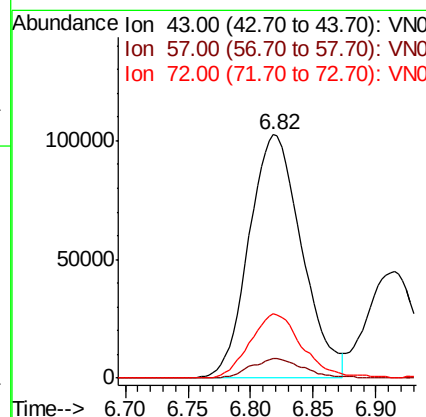
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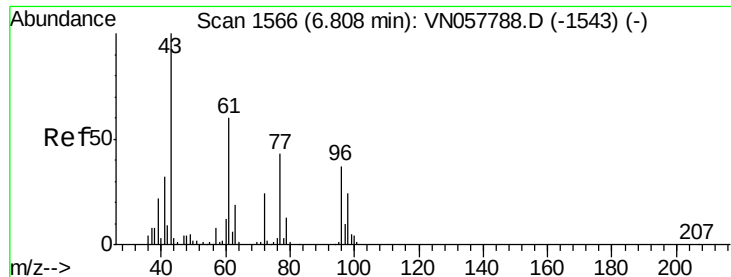
MMDadoda
 9/13/2019 11:05:09 AM



#30
 2-Butanone
 Concen: 100.216 ug/l
 RT: 6.82 min Scan# 1569
 Delta R.T. 0.00 min
 Lab File: VN057797.D
 Acq: 9 Sep 2019 13:14

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	297172		
57	8.1	6.4	9.6	
72	26.1	20.3	30.5	





#31

2,2-Dichloropropane

Concen: 19.084 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN057797.D

Acq: 9 Sep 2019 13:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 77 Resp: 132507

Ion Ratio Lower Upper

77 100

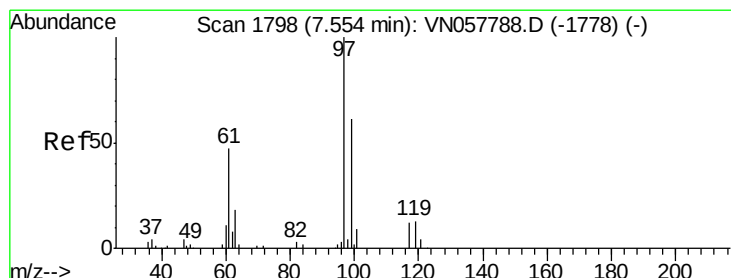
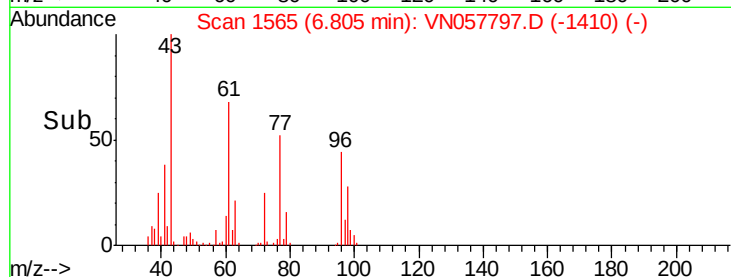
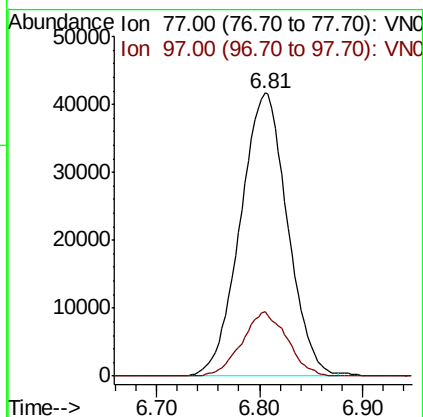
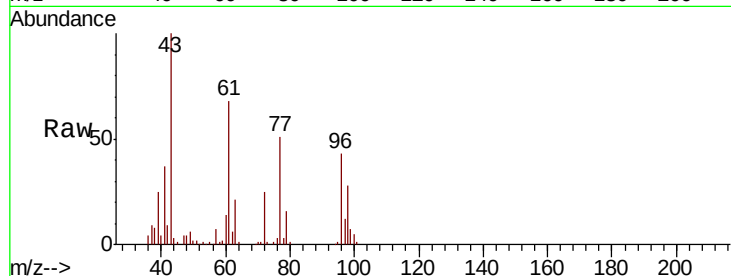
97 21.8 17.7 26.5

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 19.458 ug/l

RT: 7.56 min Scan# 1799

Delta R.T. 0.00 min

Lab File: VN057797.D

Acq: 9 Sep 2019 13:14

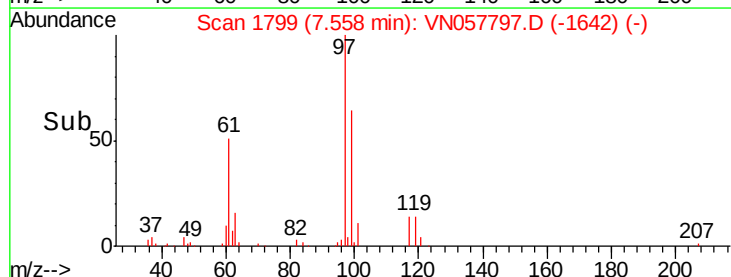
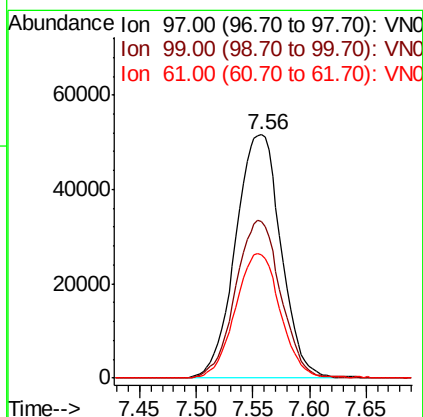
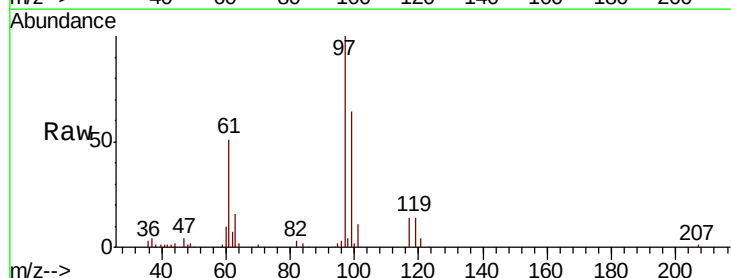
Tgt Ion: 97 Resp: 143879

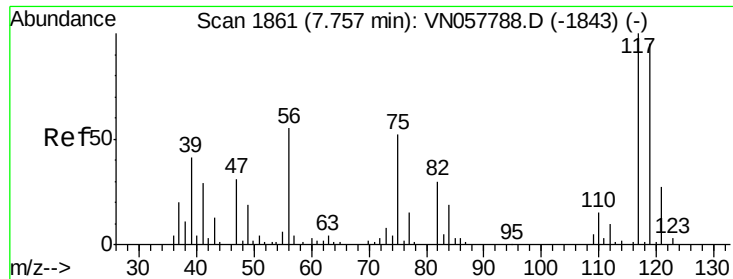
Ion Ratio Lower Upper

97 100

99 64.4 49.8 74.8

61 50.5 38.7 58.1





#33

Carbon Tetrachloride

Concen: 18.636 ug/l

RT: 7.76 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VN057797.D

Acq: 9 Sep 2019 13:14

Instrument :

MSVOA_N

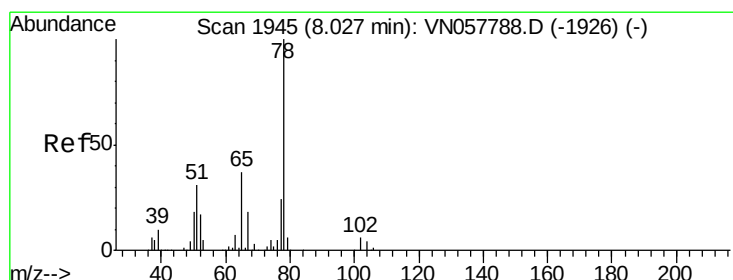
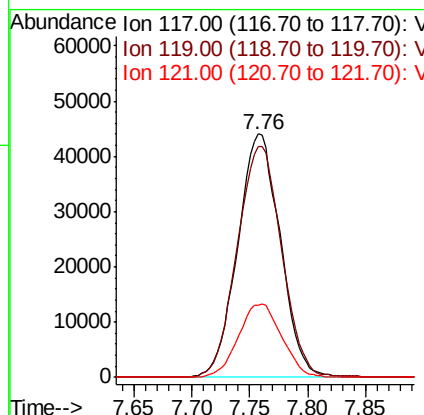
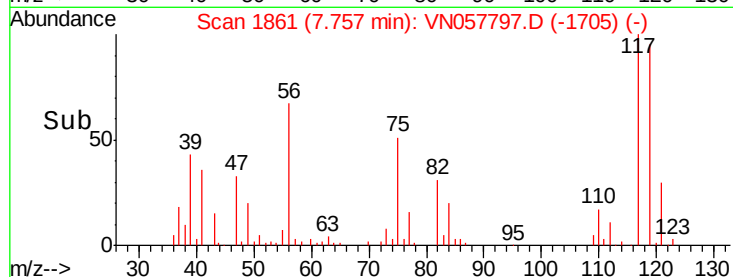
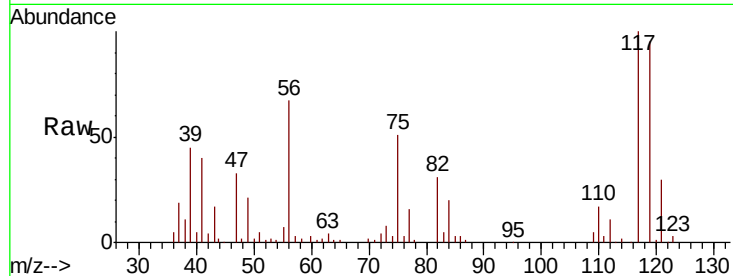
ClientSampleId :

VSTDCCC020EC

Tgt Ion:	117	Resp:	112410
Ion Ratio	Lower	Upper	
117	100		
119	94.6	75.7	113.5
121	29.7	21.7	32.5

Manual Integrations
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#34

Benzene

Concen: 20.091 ug/l

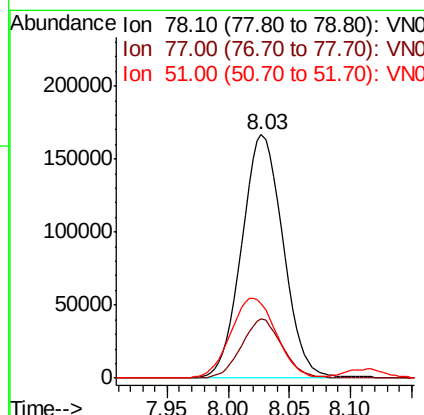
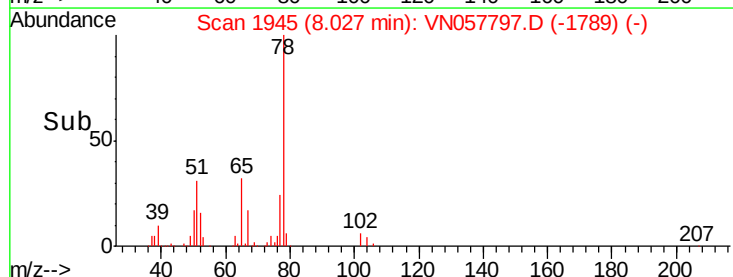
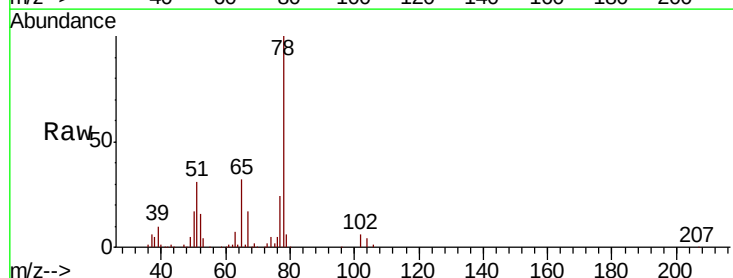
RT: 8.03 min Scan# 1945

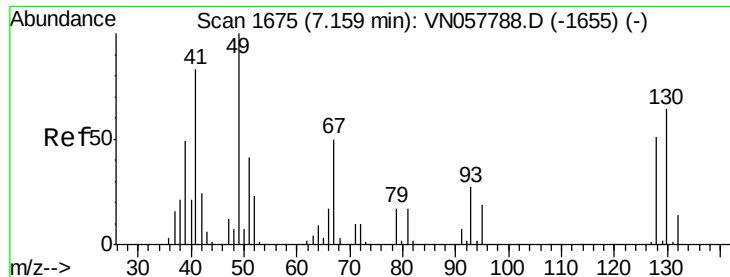
Delta R.T. 0.00 min

Lab File: VN057797.D

Acq: 9 Sep 2019 13:14

Tgt Ion:	78	Resp:	391501
Ion Ratio	Lower	Upper	
78	100		
77	24.5	19.2	28.8
51	30.5	24.9	37.3





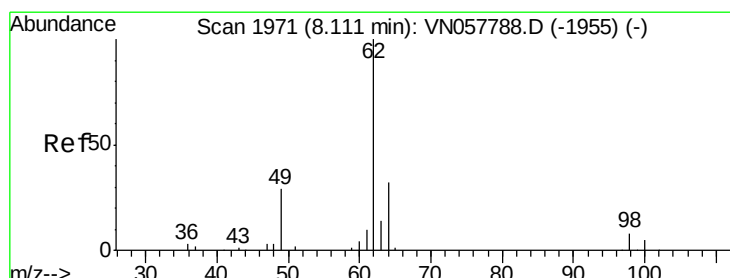
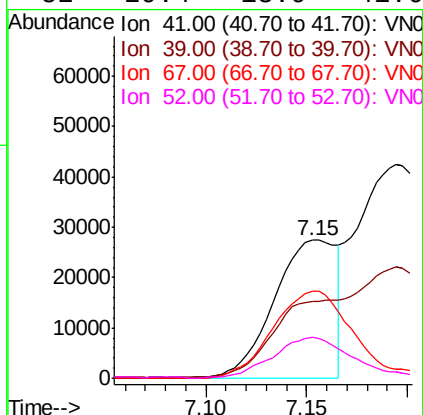
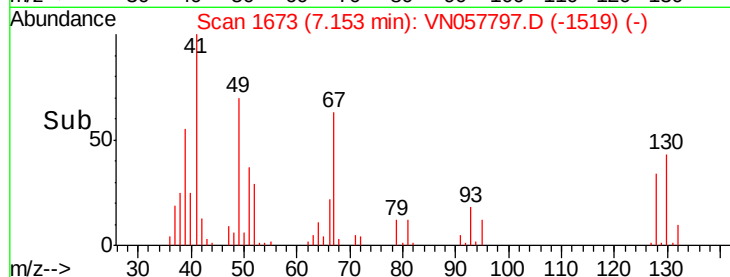
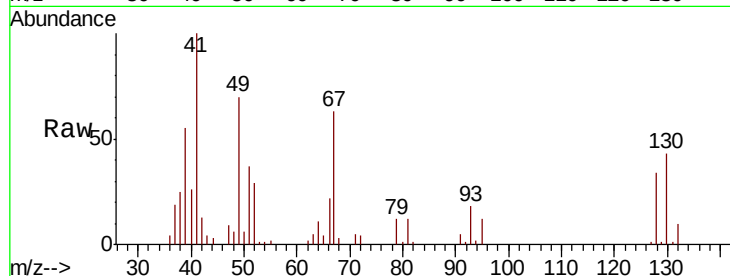
#35
Methacrylonitrile
Concen: 21.512 ug/l
RT: 7.15 min Scan# 1673
Delta R.T. -0.01 min
Lab File: VN057797.D
Acq: 9 Sep 2019 13:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion	Ratio	Lower	Upper
41	100		
39	54.6	29.8	89.5
67	63.2	30.0	90.1
52	29.4	13.9	41.6

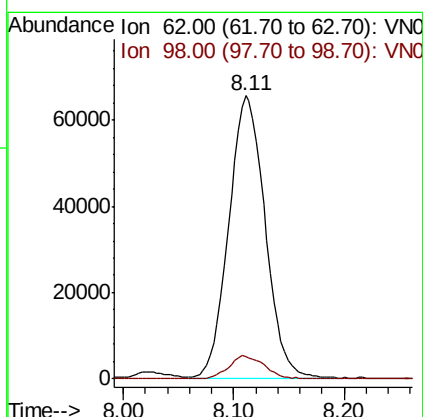
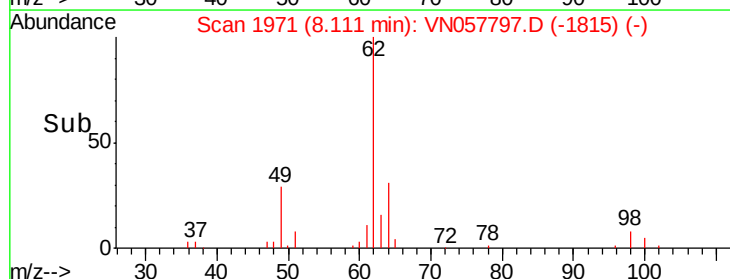
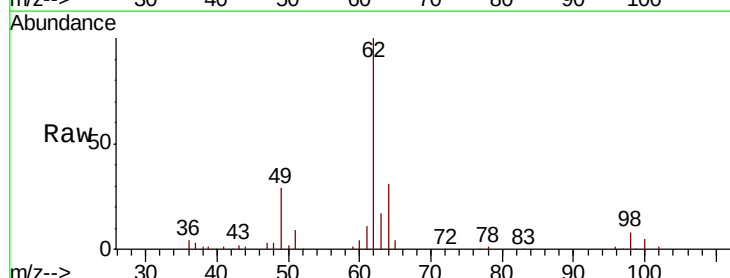
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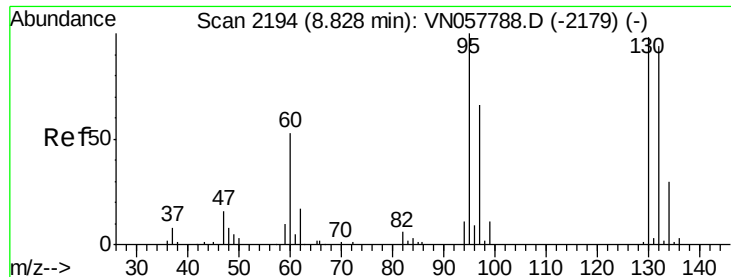
MMDadoda
9/13/2019 11:05:09 AM



#36
1,2-Dichloroethane
Concen: 19.915 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN057797.D
Acq: 9 Sep 2019 13:14

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.9	6.6	9.8





#37

Trichloroethene

Concen: 19.758 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VN057797.D

Acq: 9 Sep 2019 13:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion:130 Resp: 93512

Ion Ratio Lower Upper

130 100

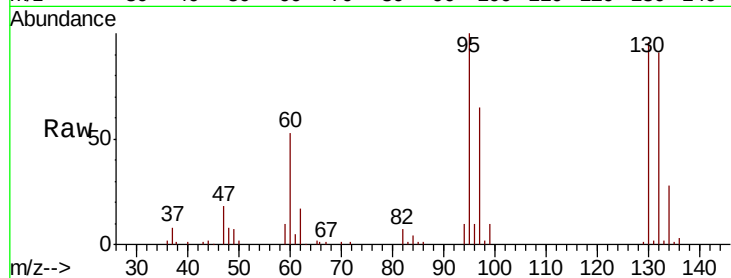
95 104.4 81.9 122.9

Manual Integrations

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Abundance Ion 129.90 (129.60 to 130.60): VN057788.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN057788.D (-2179) (-)

8.82

50000

40000

30000

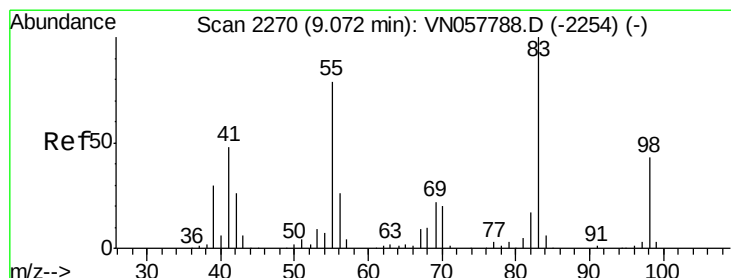
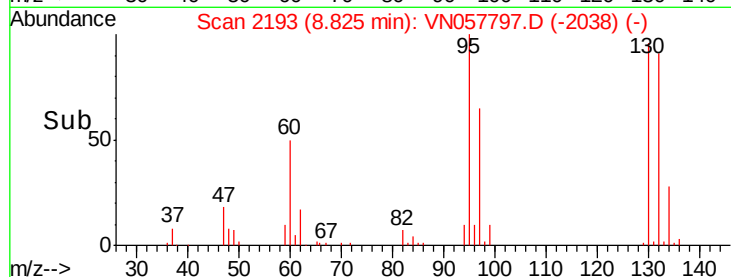
20000

10000

0

8.75 8.80 8.85 8.90

Time-->



#38

Methylcyclohexane

Concen: 19.028 ug/l

RT: 9.07 min Scan# 2269

Delta R.T. -0.00 min

Lab File: VN057797.D

Acq: 9 Sep 2019 13:14

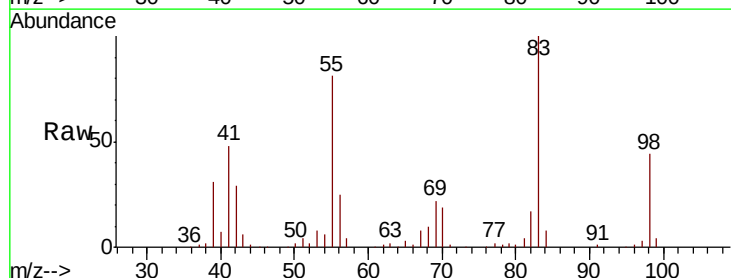
Tgt Ion: 83 Resp: 142492

Ion Ratio Lower Upper

83 100

55 79.9 39.6 118.7

98 45.7 21.8 65.4



Abundance Ion 83.00 (82.70 to 83.70): VN057788.D (-2254) (-)

Ion 55.00 (54.70 to 55.70): VN057788.D (-2254) (-)

Ion 98.00 (97.70 to 98.70): VN057788.D (-2254) (-)

9.07

80000

60000

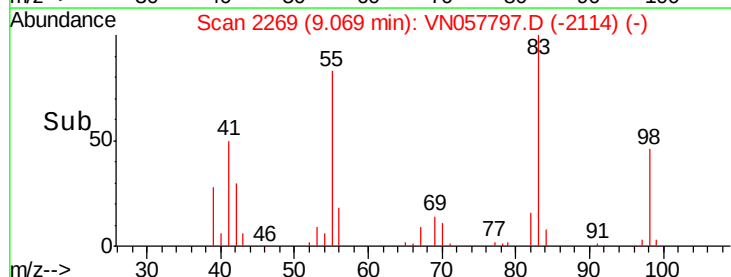
40000

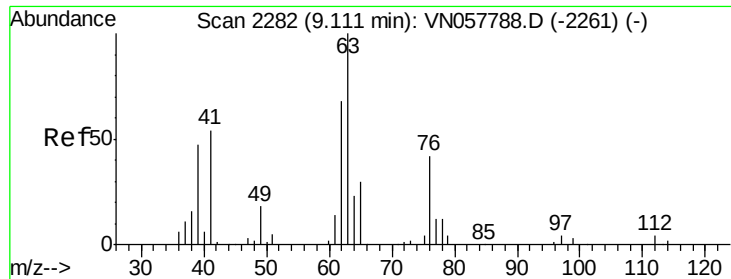
20000

0

9.00 9.05 9.10 9.15

Time-->





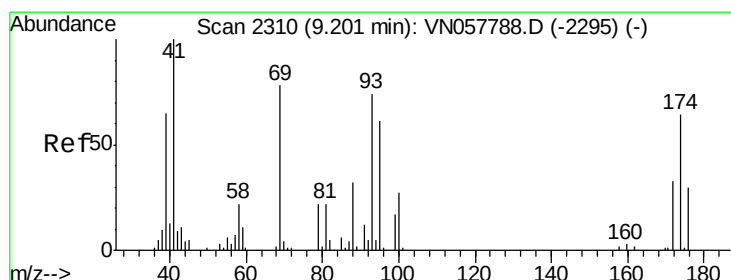
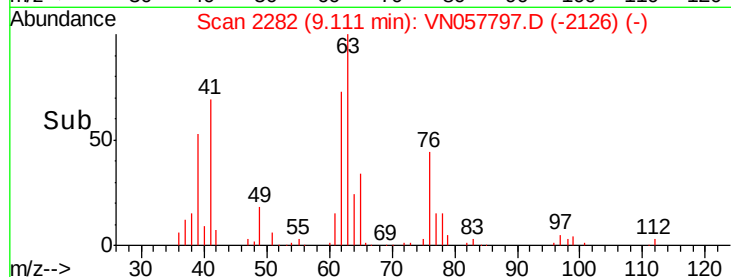
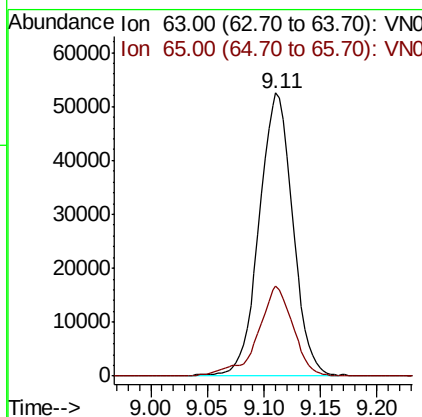
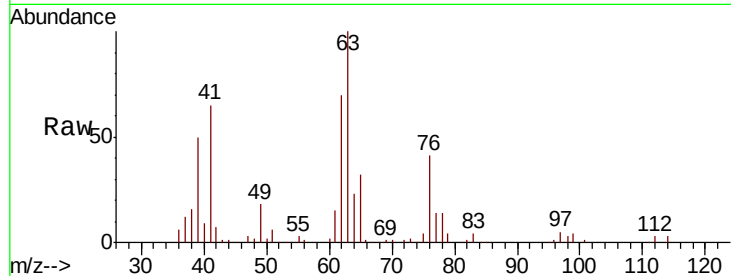
#39
 1,2-Dichloropropane
 Concen: 19.838 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN057797.D
 Acq: 9 Sep 2019 13:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tgt Ion: 63 Resp: 108561
 Ion Ratio Lower Upper
 63 100
 65 32.0 23.6 35.4

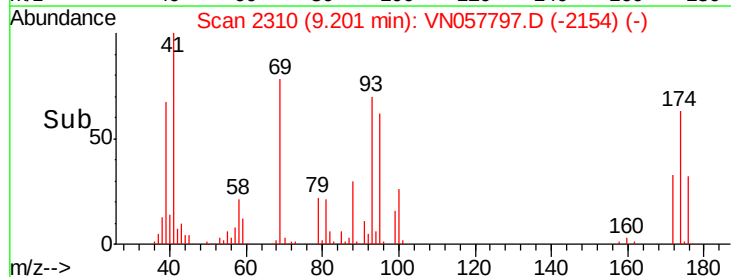
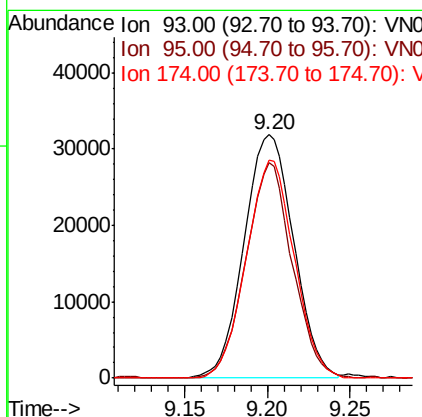
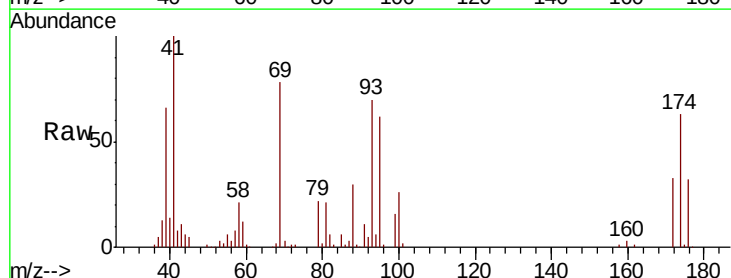
Manual Integrations
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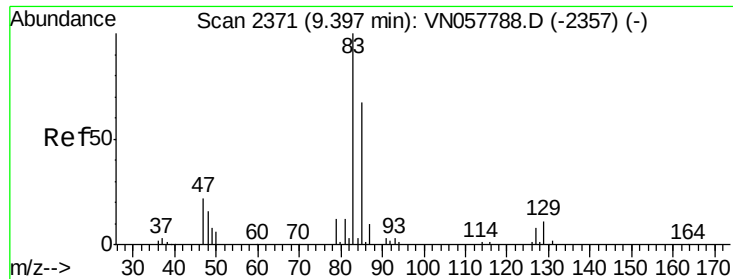
MMDadoda
 9/13/2019 11:05:09 AM



#40
 Dibromomethane
 Concen: 19.964 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN057797.D
 Acq: 9 Sep 2019 13:14

Tgt Ion: 93 Resp: 66448
 Ion Ratio Lower Upper
 93 100
 95 82.8 0.0 163.0
 174 86.1 0.0 171.4





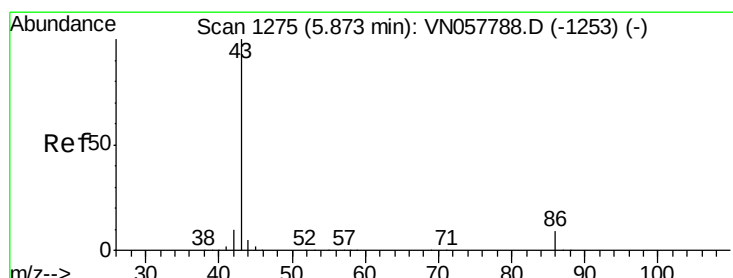
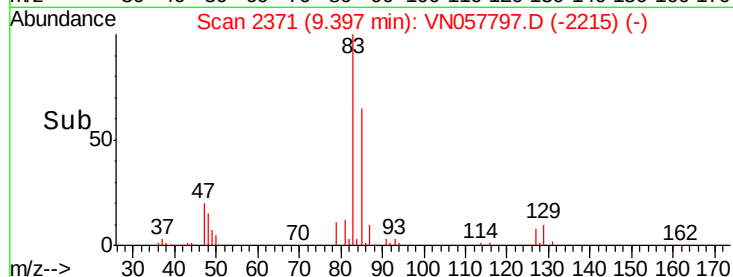
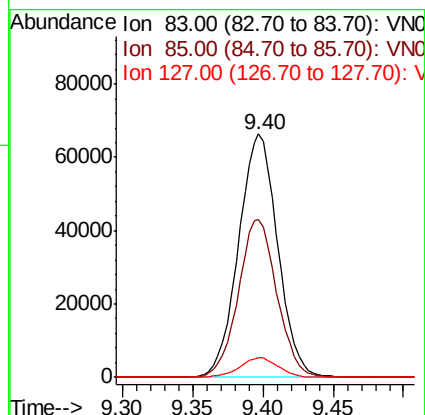
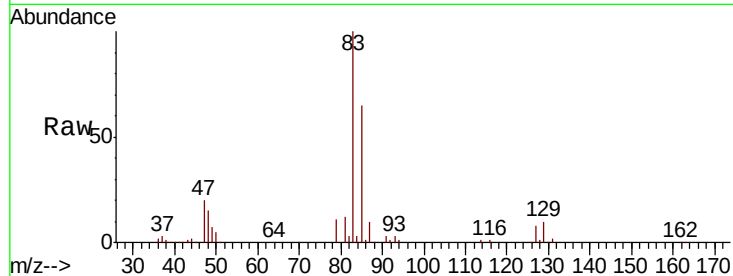
#41
Bromodichloromethane
Concen: 19.184 ug/l
RT: 9.40 min Scan# 2371
Delta R.T. 0.00 min
Lab File: VN057797.D
Acq: 9 Sep 2019 13:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	53.4	80.0
127	8.2	6.6	10.0

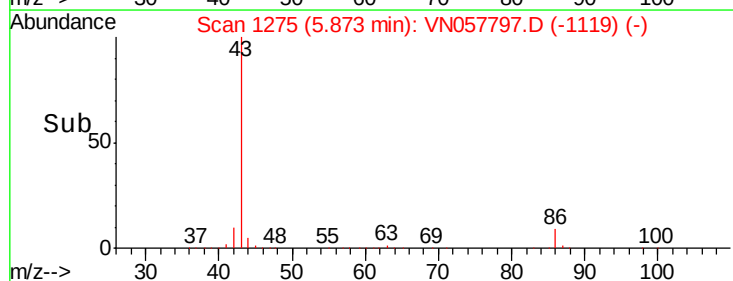
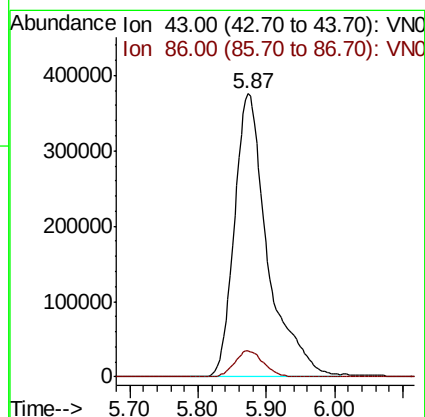
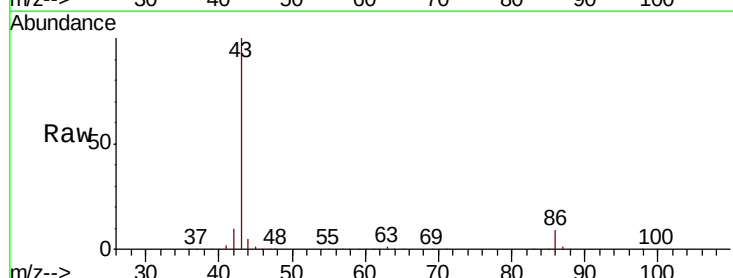
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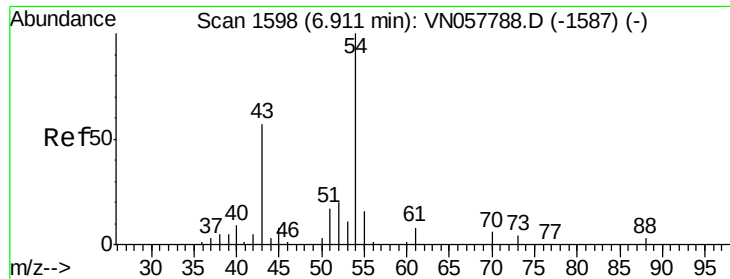
MMDadoda
9/13/2019 11:05:09 AM



#42
Vinyl Acetate
Concen: 106.387 ug/l
RT: 5.87 min Scan# 1275
Delta R.T. 0.00 min
Lab File: VN057797.D
Acq: 9 Sep 2019 13:14

Tgt Ion	Ratio	Lower	Upper
43	100		
86	8.2	6.3	9.5





#43

Ethyl Acetate

Concen: 20.359 ug/l

RT: 6.91 min Scan# 1599

Delta R.T. 0.00 min

Lab File: VN057797.D

Acq: 9 Sep 2019 13:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 43 Resp: 123171

Ion Ratio Lower Upper

43 100

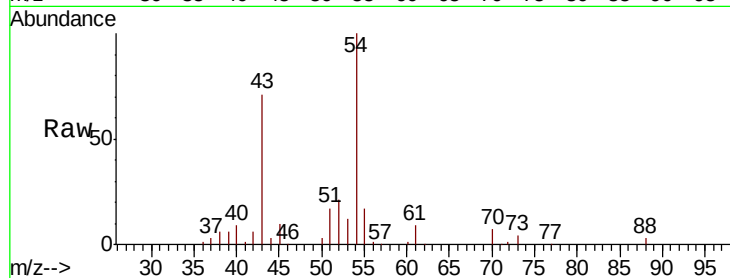
45 14.2 5.4 8.0#

Manual Integrations

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9/13/2019 11:05:09 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0

120000

100000

80000

60000

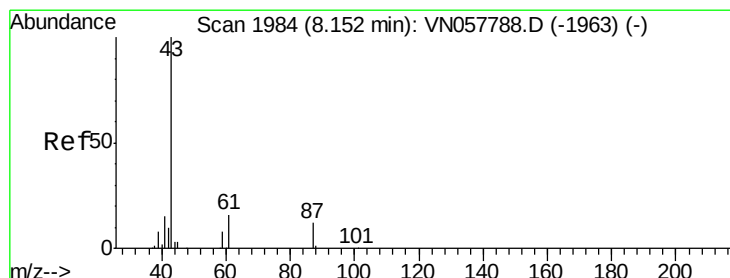
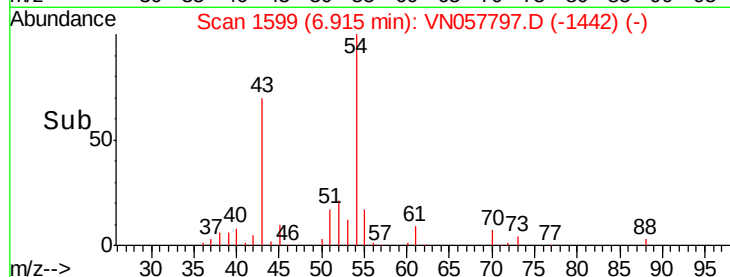
40000

20000

0

6.85 6.90 6.95 7.00

Time-->



#44

Isopropyl Acetate

Concen: 19.586 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN057797.D

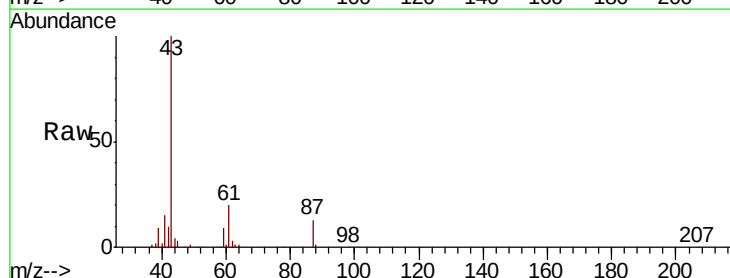
Acq: 9 Sep 2019 13:14

Tgt Ion: 43 Resp: 206605

Ion Ratio Lower Upper

43 100

61 18.4 0.1 0.1#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

100000

80000

60000

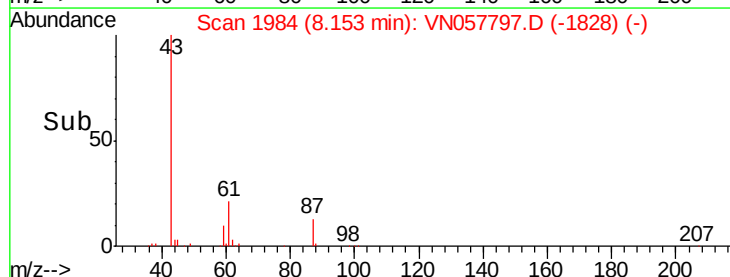
40000

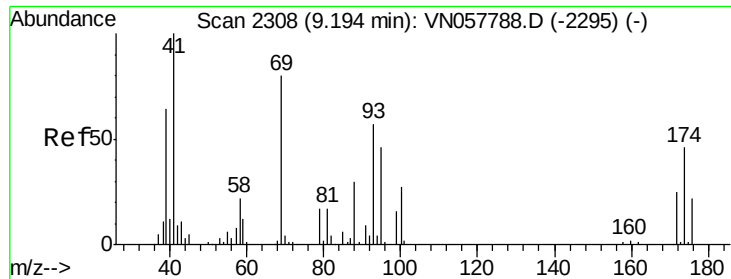
20000

0

8.10 8.15 8.20

Time-->





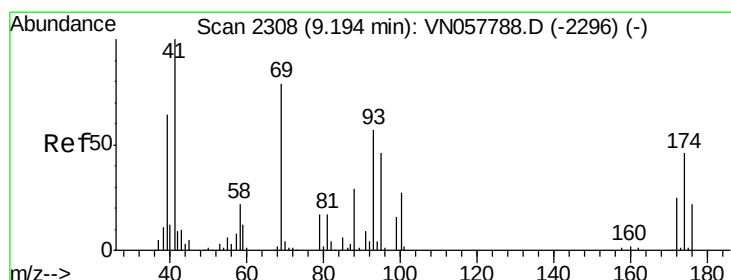
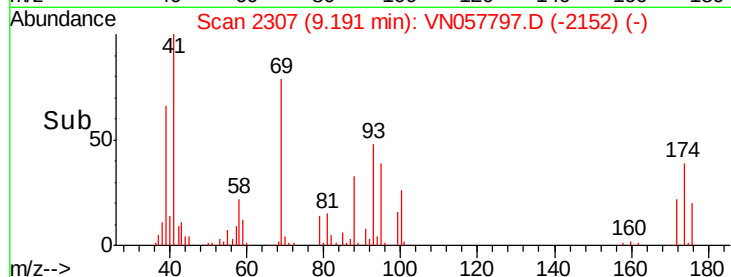
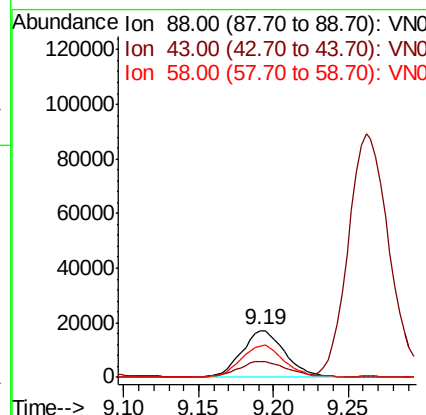
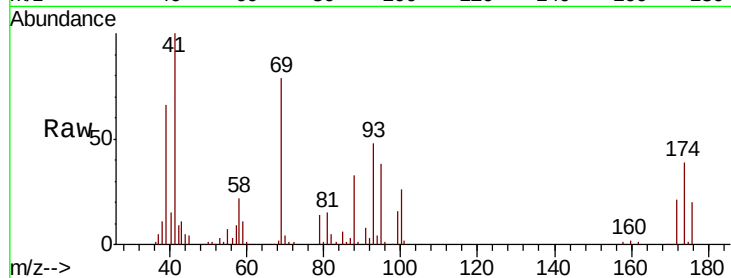
#45
 1,4-Dioxane
 Concen: 416.536 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN057797.D
 Acq: 9 Sep 2019 13:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tgt Ion	Ratio	Resp	Lower	Upper
88	100			
43	35.4	28.2	42.4	
58	69.9	58.5	87.7	

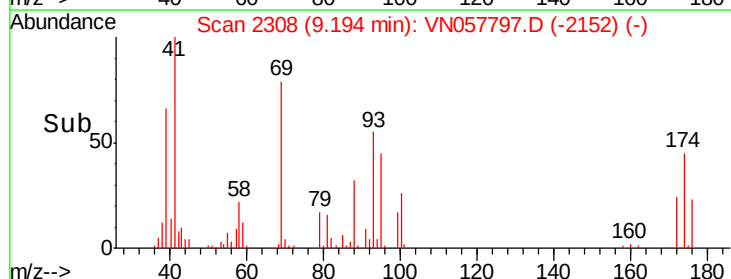
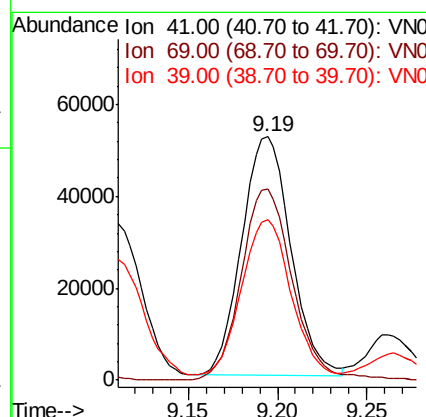
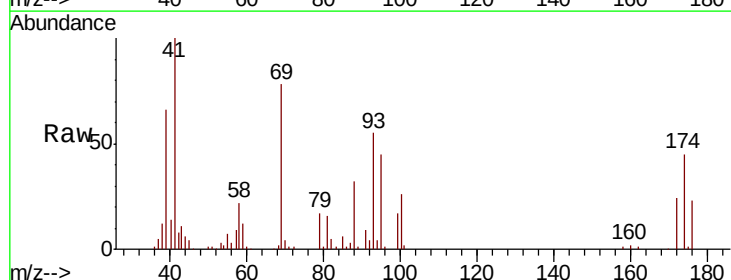
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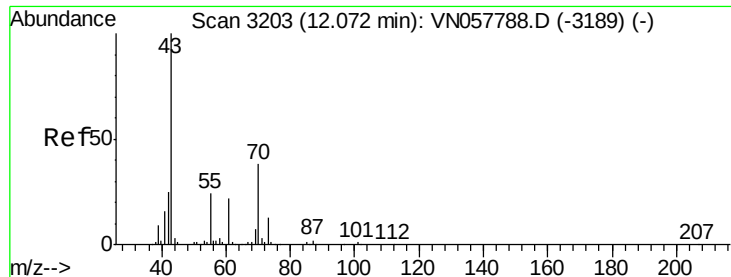
MMDadoda
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#46
 Methyl methacrylate
 Concen: 19.461 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN057797.D
 Acq: 9 Sep 2019 13:14

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	79.5	39.6	119.0	
39	65.1	31.9	95.7	





#47

n-amyI Acetate

Concen: 19.184 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN057797.D

Acq: 9 Sep 2019 13:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 43 Resp: 185894

Ion Ratio Lower Upper

43 100

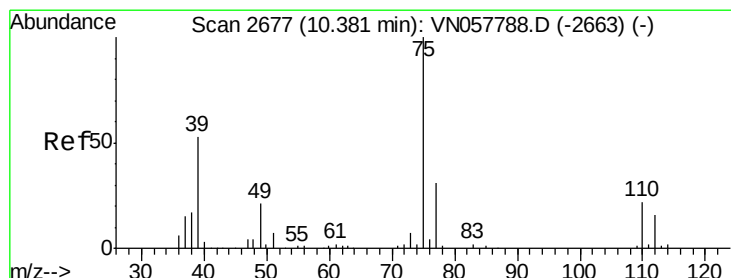
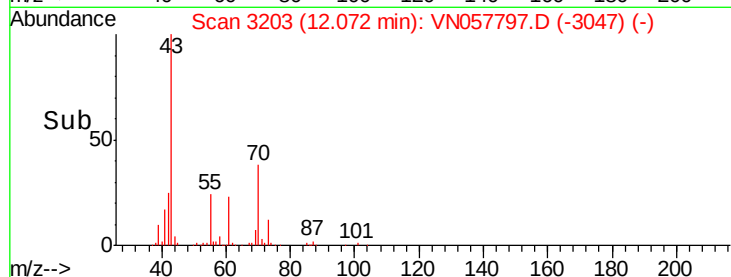
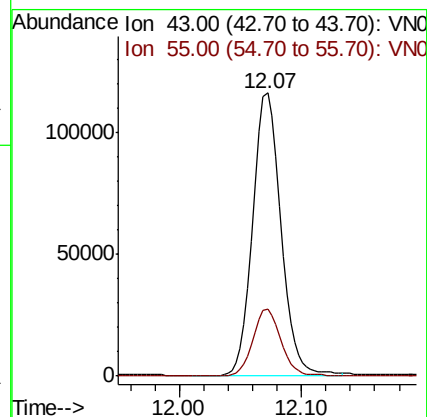
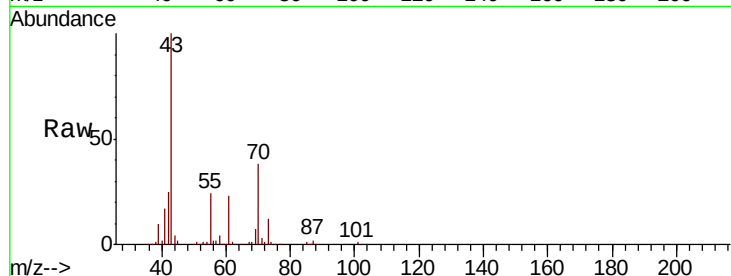
55 23.4 18.3 27.5

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9/13/2019 11:05:09 AM



#48

t-1,3-Dichloropropene

Concen: 18.573 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VN057797.D

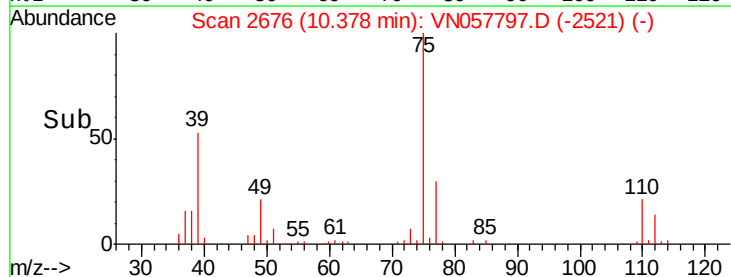
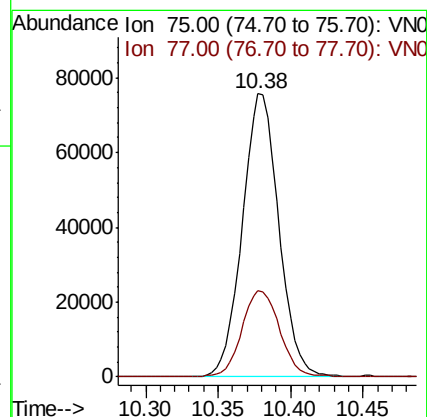
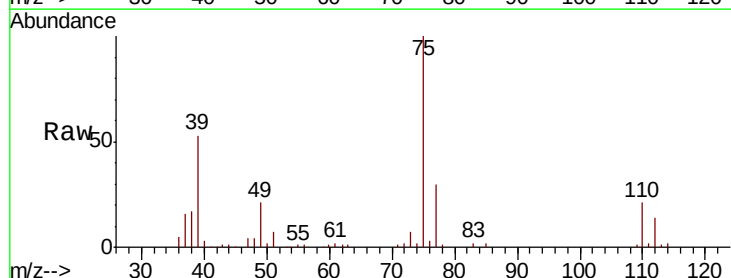
Acq: 9 Sep 2019 13:14

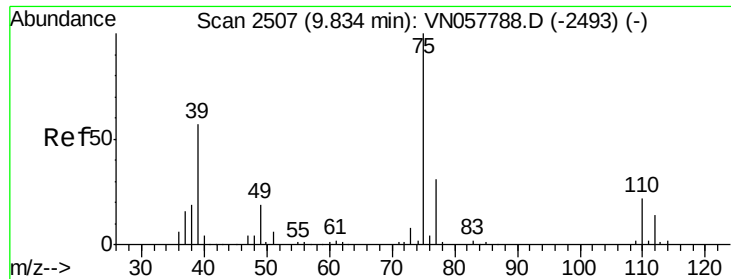
Tgt Ion: 75 Resp: 132682

Ion Ratio Lower Upper

75 100

77 29.9 24.9 37.3





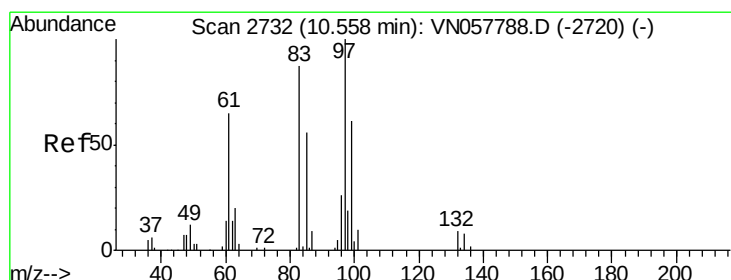
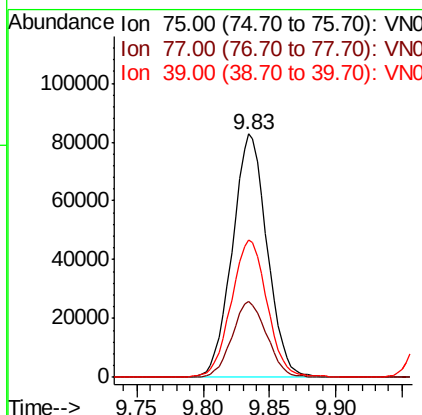
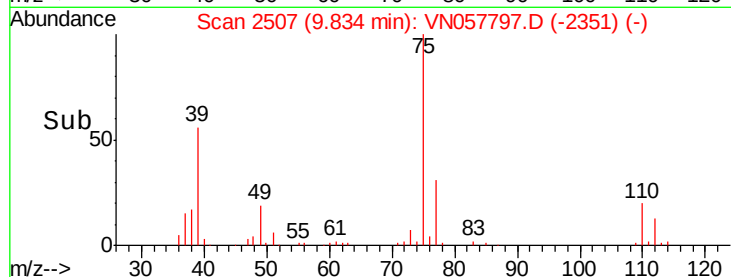
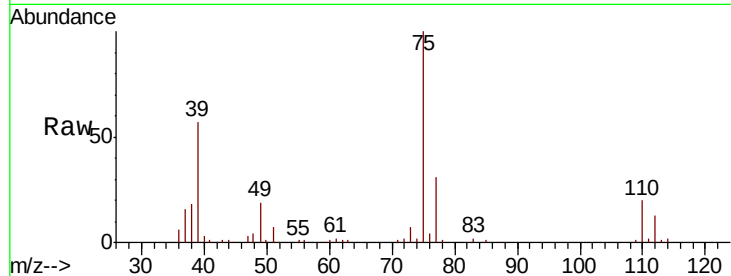
#49
 cis-1,3-Dichloropropene
 Concen: 18.813 ug/l
 RT: 9.83 min Scan# 2507
 Delta R.T. 0.00 min
 Lab File: VN057797.D
 Acq: 9 Sep 2019 13:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	150792		
77	31.1	24.6	36.8	
39	56.2	45.8	68.8	

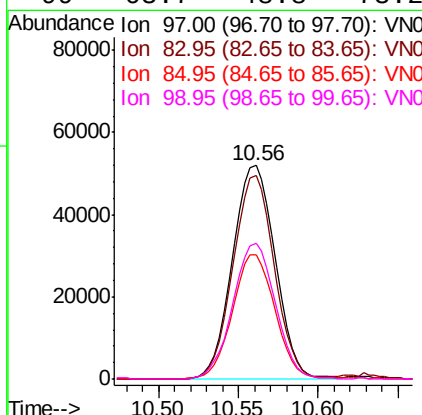
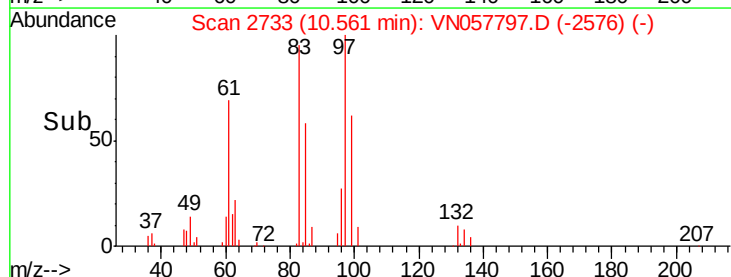
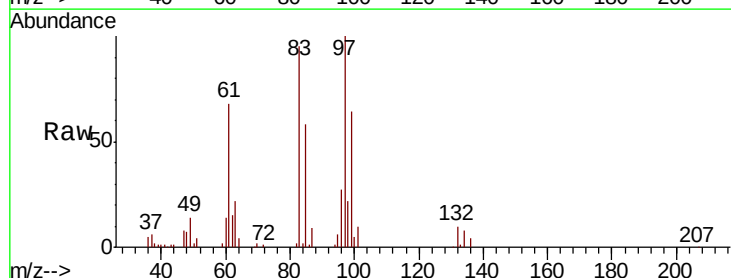
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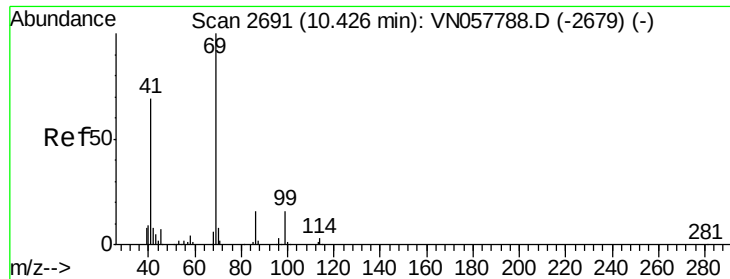
MMDadoda
 9/13/2019 11:05:09 AM



#50
 1,1,2-Trichloroethane
 Concen: 19.652 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN057797.D
 Acq: 9 Sep 2019 13:14

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	94879		
83	95.2	69.4	104.2	
85	57.7	45.0	67.6	
99	63.7	48.8	73.2	





#51

Ethyl methacrylate

Concen: 19.834 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN057797.D

Acq: 9 Sep 2019 13:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 69 Resp: 148476

Ion Ratio Lower Upper

69 100

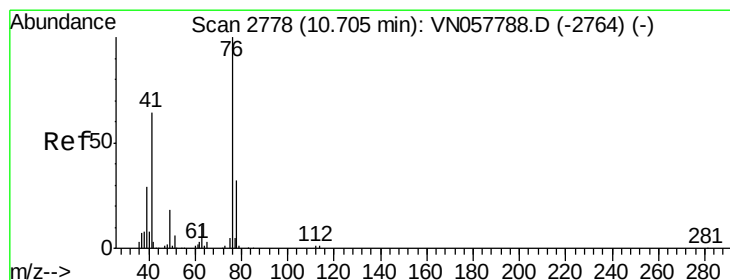
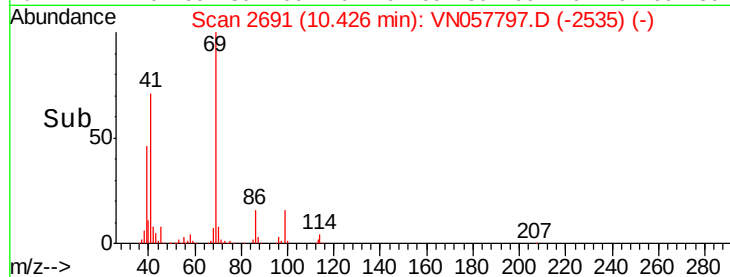
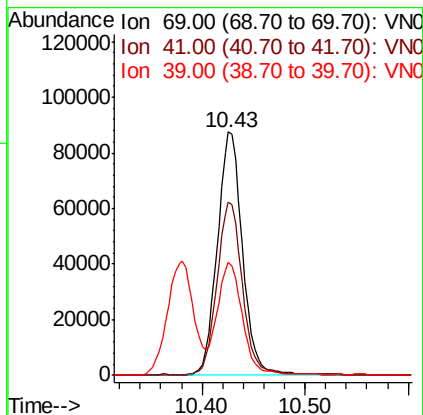
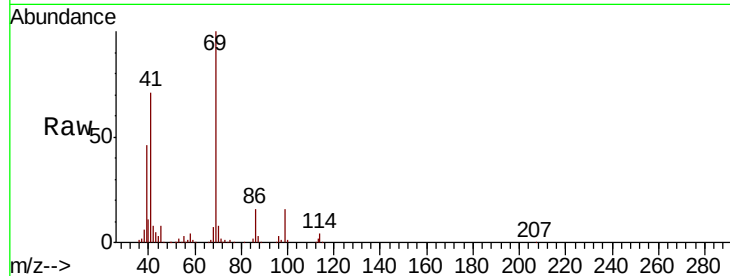
41 70.8 34.5 103.5

39 45.7 22.4 67.3

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#52

1,3-Dichloropropane

Concen: 19.997 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN057797.D

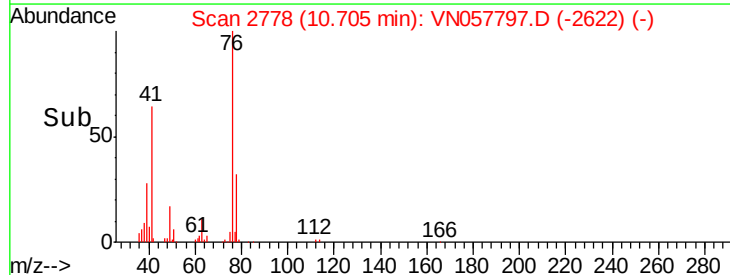
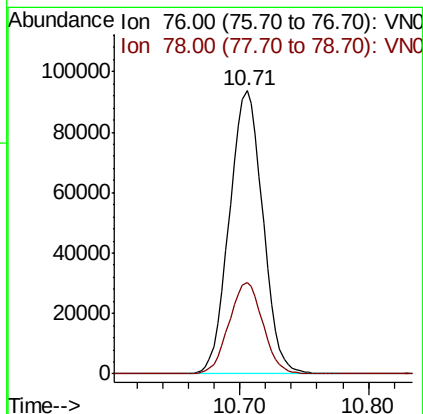
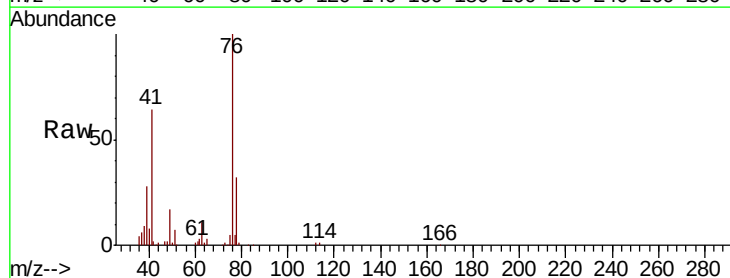
Acq: 9 Sep 2019 13:14

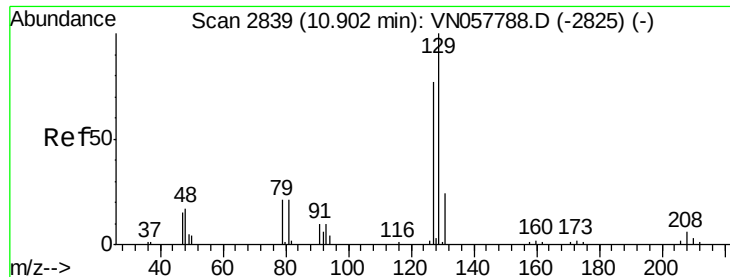
Tgt Ion: 76 Resp: 168834

Ion Ratio Lower Upper

76 100

78 32.8 0.0 63.8





#53

Dibromochloromethane

Concen: 17.994 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN057797.D

Acq: 9 Sep 2019 13:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion:129 Resp: 85795

Ion Ratio Lower Upper

129 100

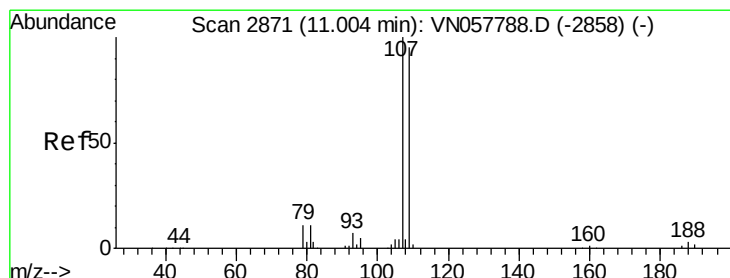
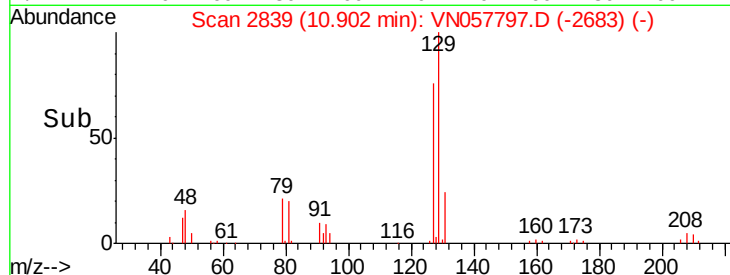
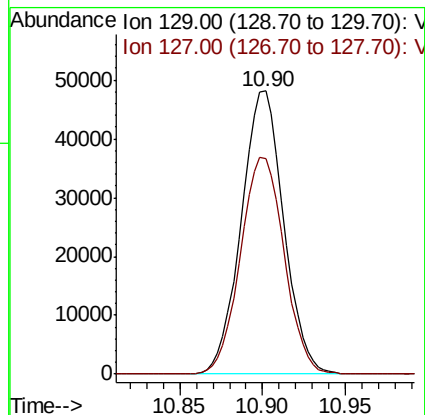
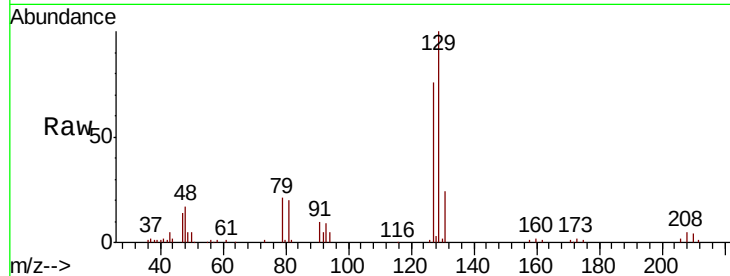
127 78.9 38.8 116.3

Manual Integrations

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9/13/2019 11:05:09 AM



#54

1,2-Dibromoethane

Concen: 19.306 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN057797.D

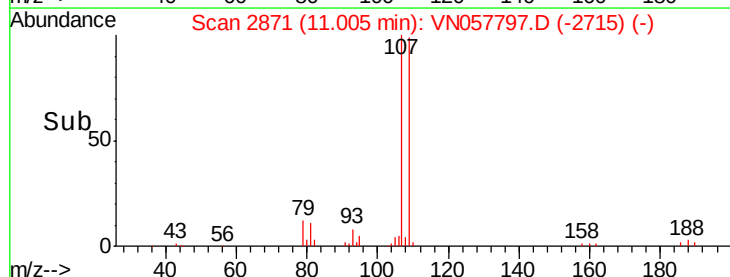
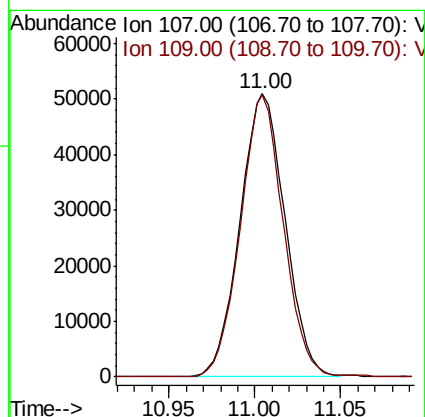
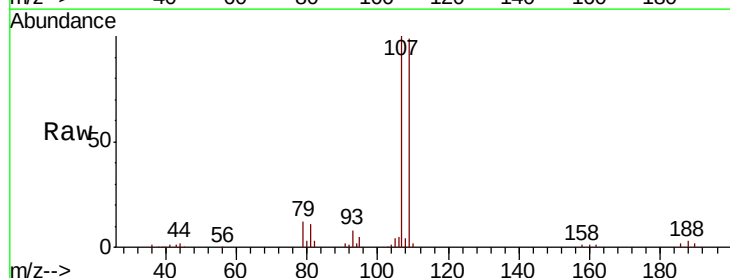
Acq: 9 Sep 2019 13:14

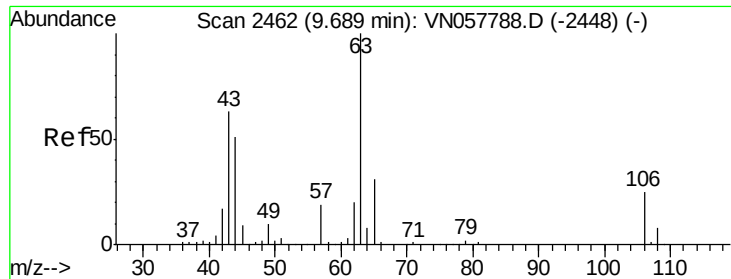
Tgt Ion:107 Resp: 92739

Ion Ratio Lower Upper

107 100

109 94.8 75.4 113.0





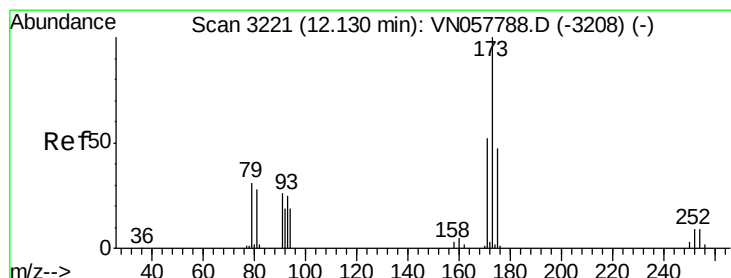
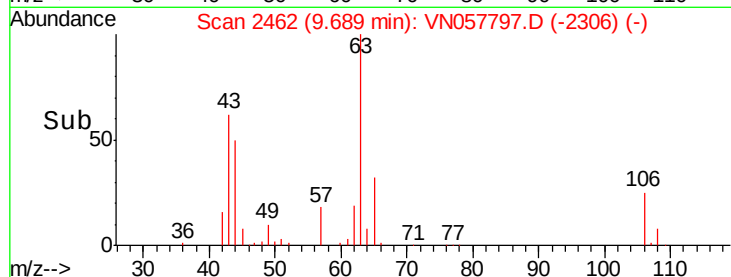
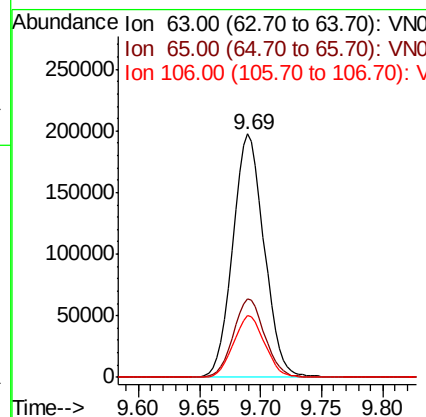
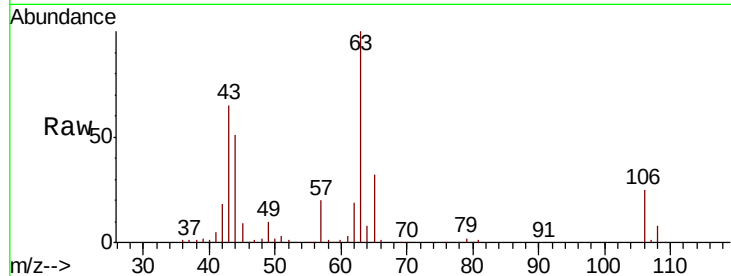
#55
2-Chloroethyl vinyl ether
Concen: 99.764 ug/l
RT: 9.69 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VN057797.D
Acq: 9 Sep 2019 13:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion	Ratio	Lower	Upper
63	100		
65	32.1	25.0	37.6
106	25.2	19.8	29.8

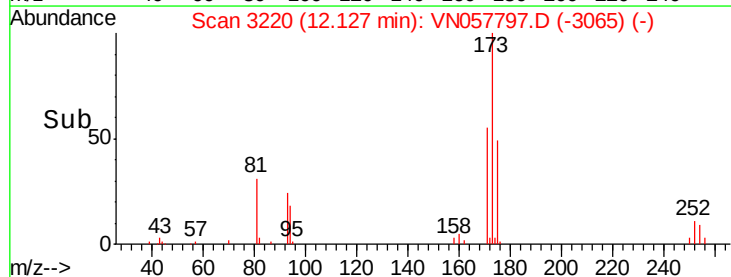
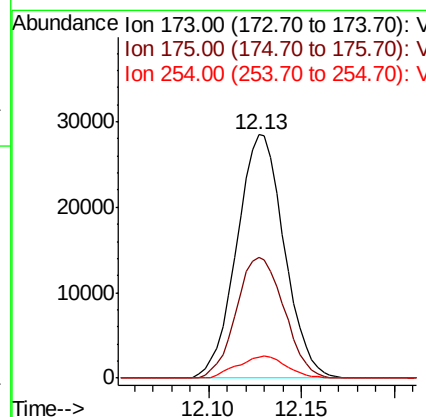
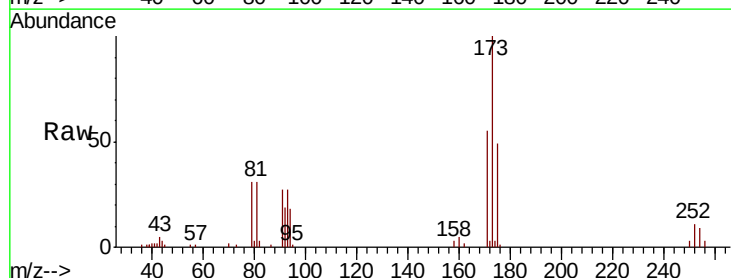
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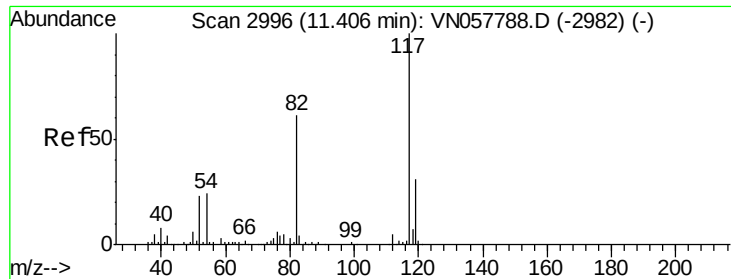
MMDadoda
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#56
Bromoform
Concen: 17.157 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN057797.D
Acq: 9 Sep 2019 13:14

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.8	38.4	57.6
254	9.3	6.9	10.3





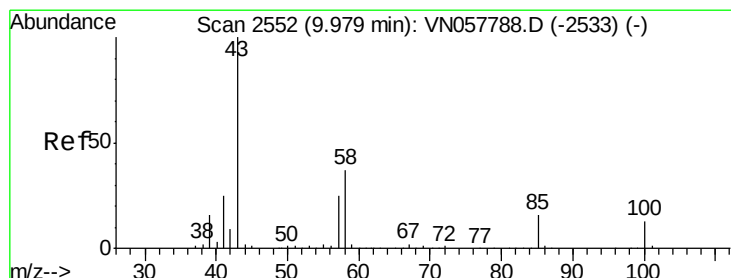
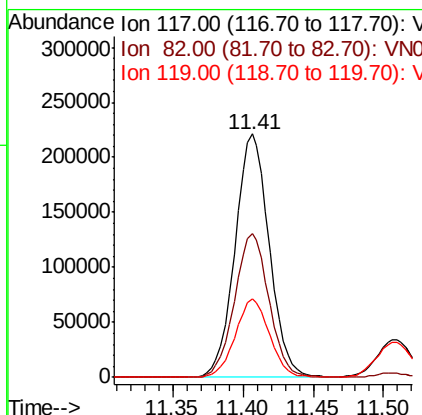
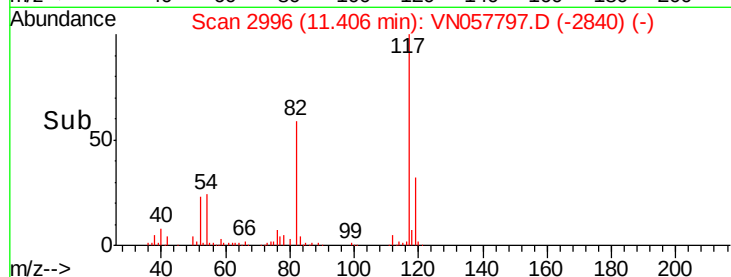
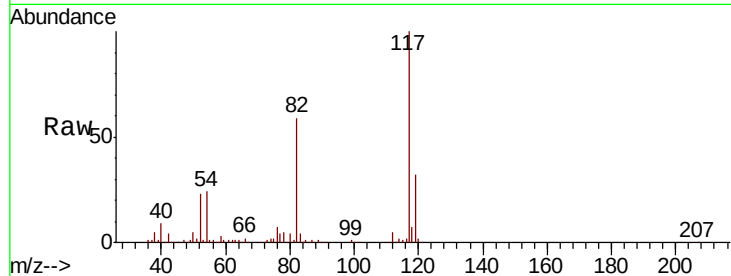
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057797.D
Acq: 9 Sep 2019 13:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	376146		
82	59.4	47.6	71.4	
119	32.2	25.4	38.2	

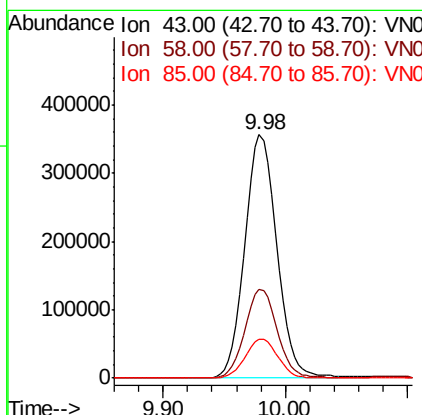
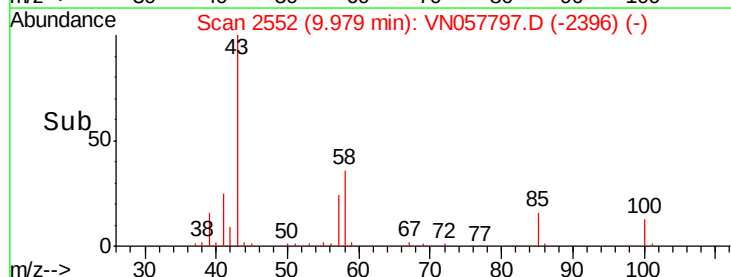
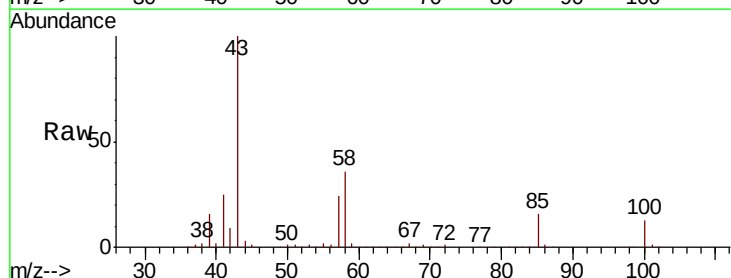
Manual Integrations
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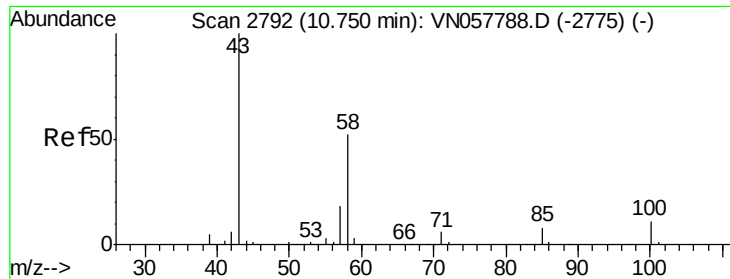
MMDadoda
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#58
4-Methyl-2-Pentanone
Concen: 110.282 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. 0.00 min
Lab File: VN057797.D
Acq: 9 Sep 2019 13:14

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	643294		
58	36.9	29.4	44.0	
85	16.3	12.9	19.3	





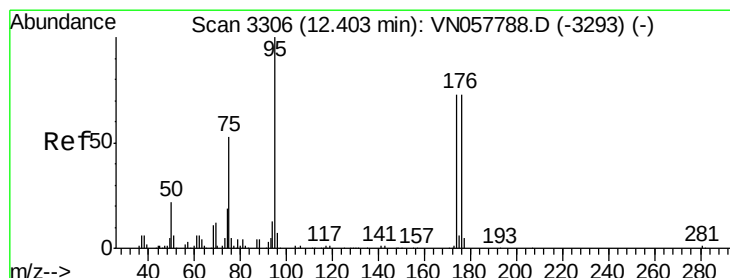
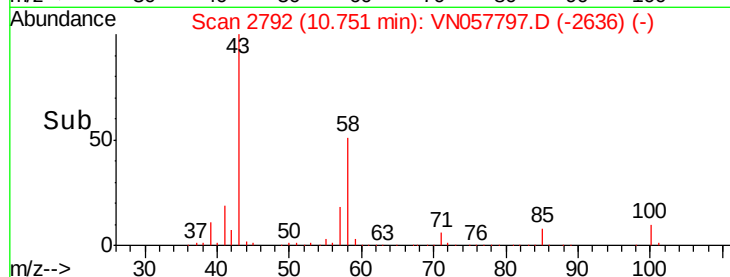
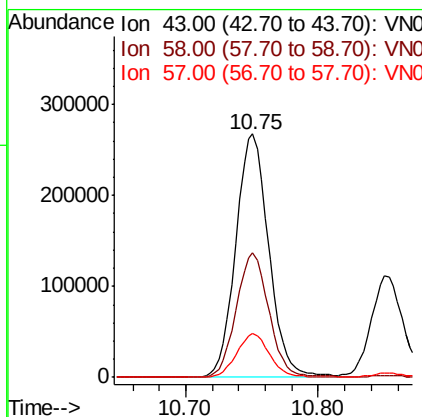
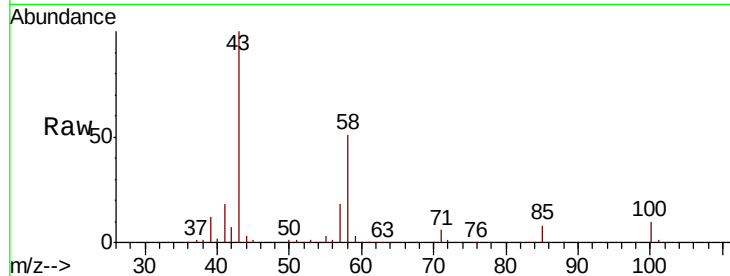
#59
2-Hexanone
Concen: 105.717 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN057797.D
Acq: 9 Sep 2019 13:14

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020EC

Tgt Ion	Ratio	Lower	Upper
43	100		
58	50.8	40.6	61.0
57	17.9	14.5	21.7

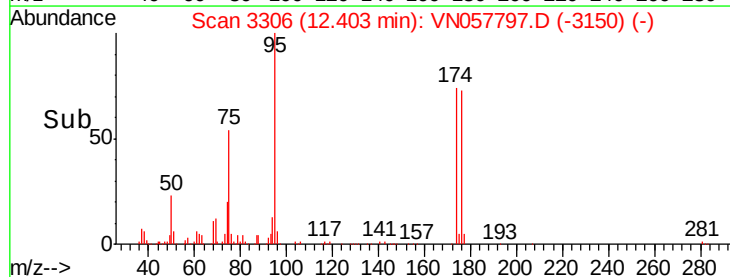
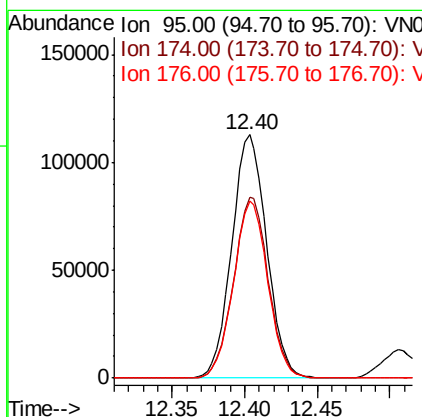
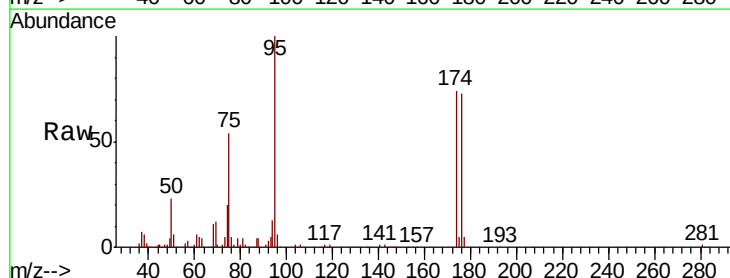
Manual Integrations
APPROVED

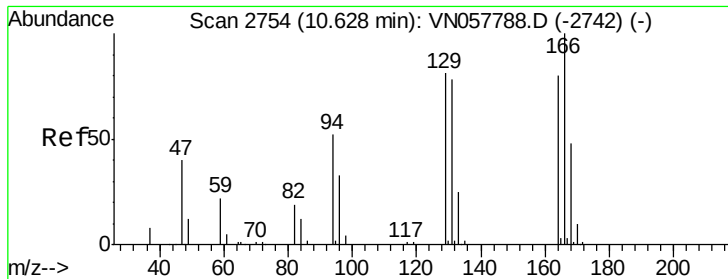
MMDadoda
9/13/2019 11:05:09 AM



#60
4-Bromofluorobenzene
Concen: 29.245 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN057797.D
Acq: 9 Sep 2019 13:14

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.0	59.4	89.0
176	71.6	57.4	86.0





#61

Tetrachloroethene

Concen: 20.228 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. 0.00 min

Lab File: VN057797.D

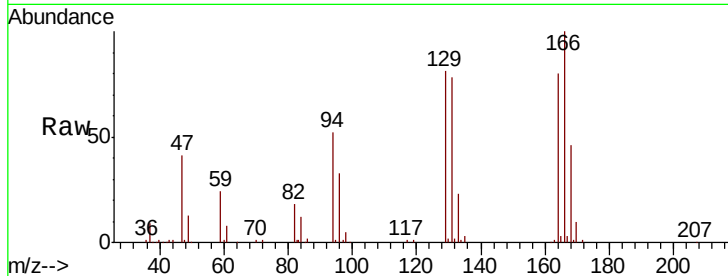
Acq: 9 Sep 2019 13:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC



Tgt Ion:164 Resp: 77359

Ion Ratio Lower Upper

164 100

166 124.4 99.6 149.4

129 100.5 80.9 121.3

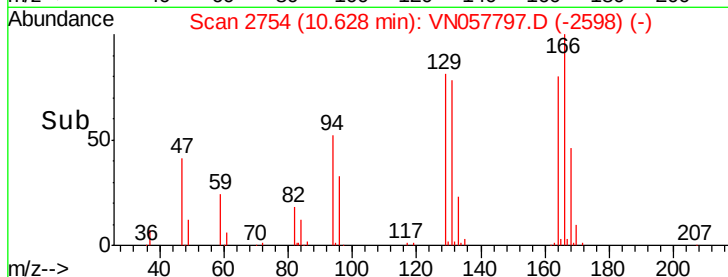
131 96.7 77.2 115.8

Manual Integrations

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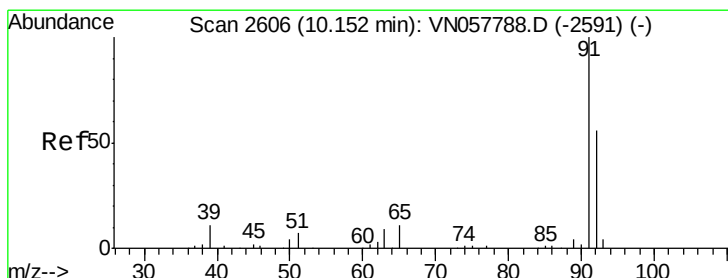
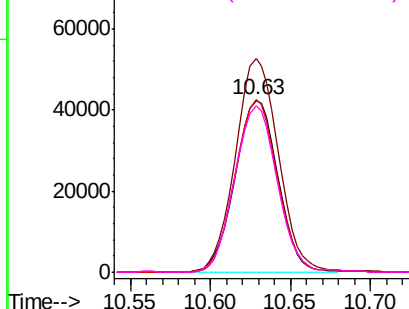
Abundance

Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 20.498 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN057797.D

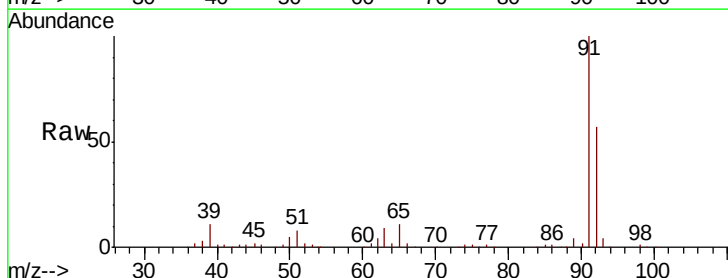
Acq: 9 Sep 2019 13:14

Tgt Ion: 91 Resp: 426932

Ion Ratio Lower Upper

91 100

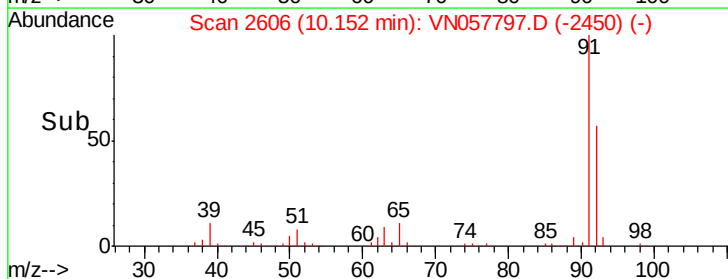
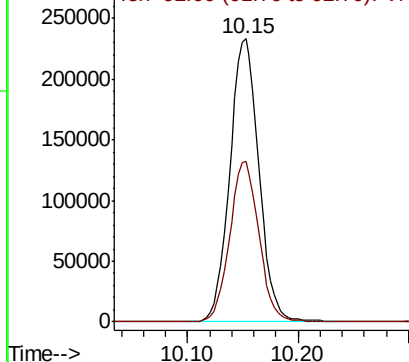
92 56.7 44.9 67.3

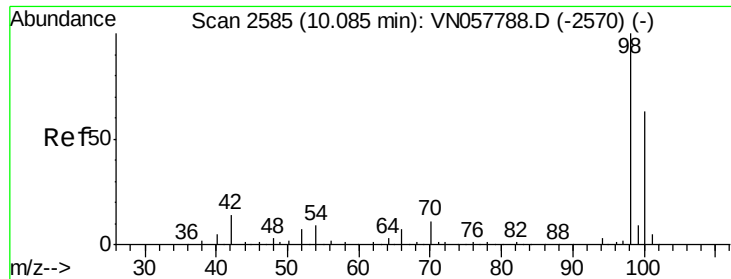


Abundance

Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





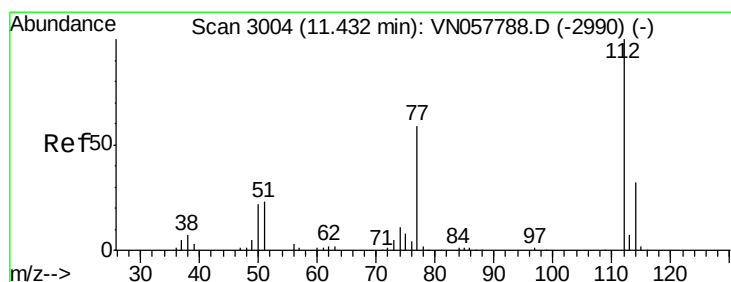
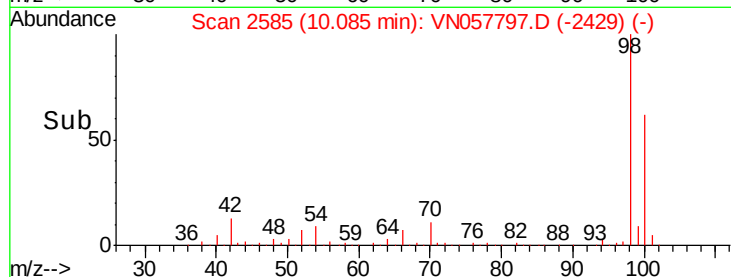
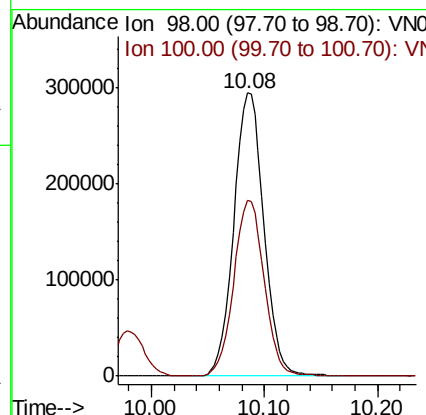
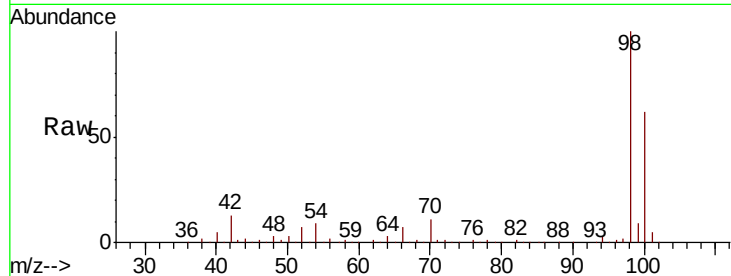
#63
Toluene-d8
Concen: 30.208 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN057797.D
Acq: 9 Sep 2019 13:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 98 Resp: 545386
Ion Ratio Lower Upper
98 100
100 62.6 50.3 75.5

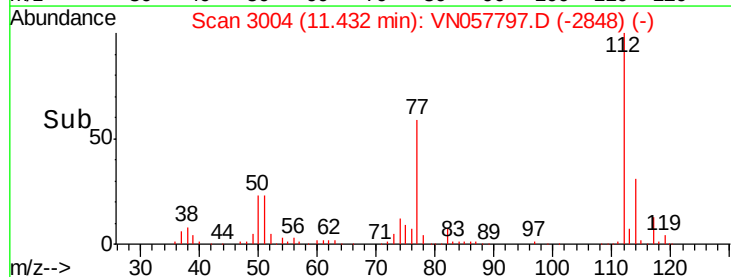
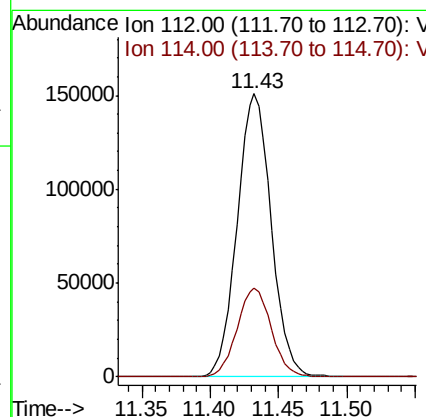
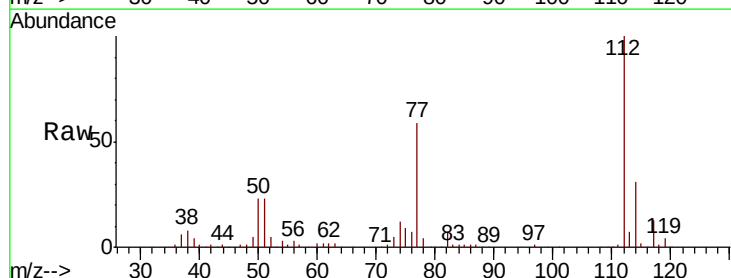
Manual Integrations
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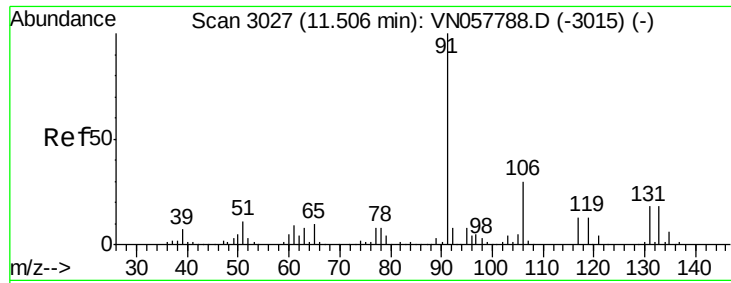
MMDadoda
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#64
Chlorobenzene
Concen: 20.219 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN057797.D
Acq: 9 Sep 2019 13:14

Tgt Ion: 112 Resp: 261231
Ion Ratio Lower Upper
112 100
114 31.3 25.4 38.0





#65

1,1,1,2-Tetrachloroethane

Concen: 19.776 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN057797.D

Acq: 9 Sep 2019 13:14

Instrument :

MSVOA_N

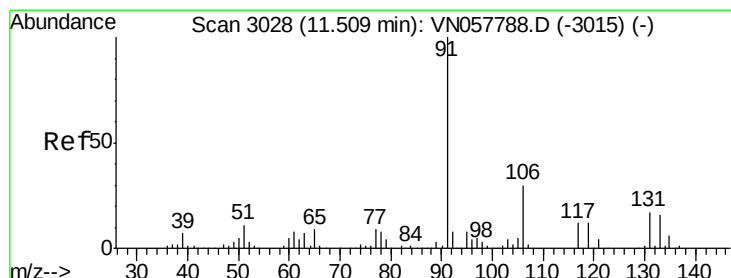
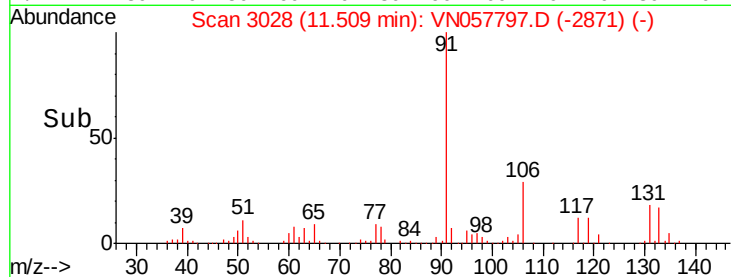
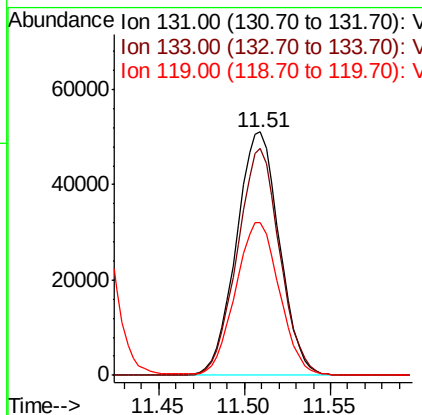
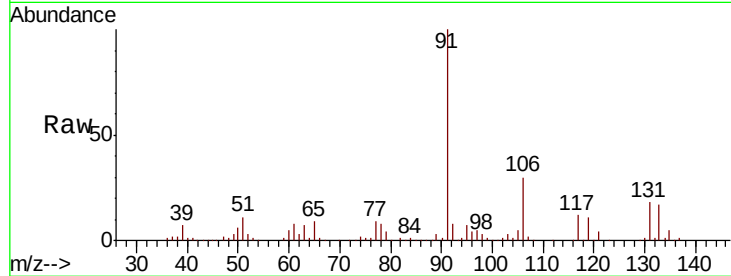
ClientSampled :

VSTDCCC020EC

Tgt Ion:	131	Resp:	88717
Ion Ratio	Lower	Upper	
131	100		
133	91.9	0.0	189.2
119	64.2	0.0	136.4

Manual Integrations
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#66

Ethyl Benzene

Concen: 20.648 ug/l

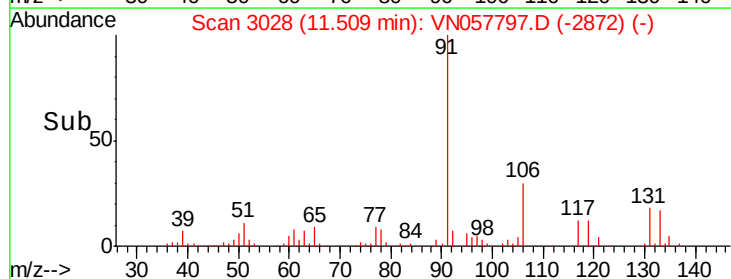
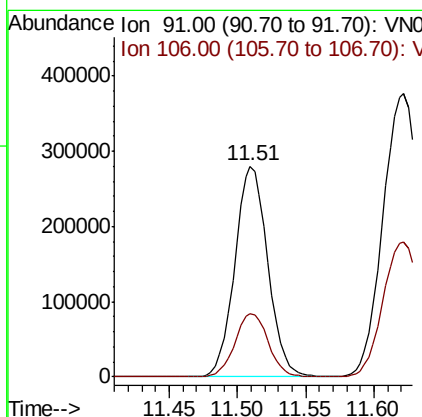
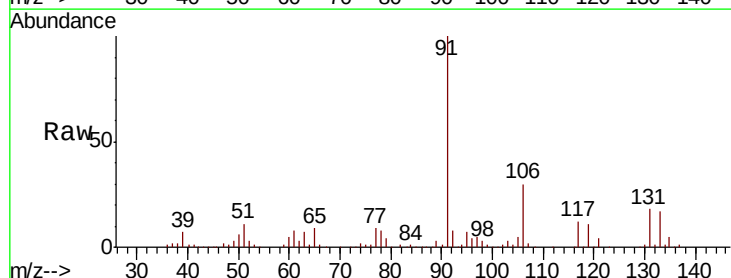
RT: 11.51 min Scan# 3028

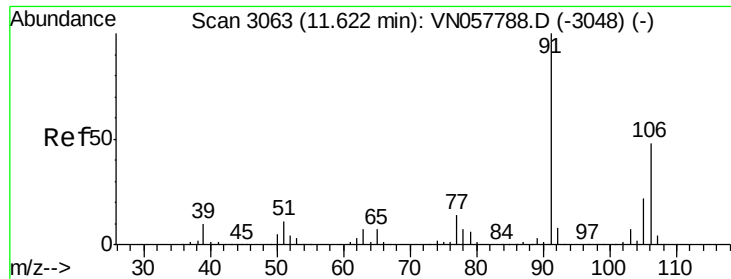
Delta R.T. 0.00 min

Lab File: VN057797.D

Acq: 9 Sep 2019 13:14

Tgt Ion:	91	Resp:	469346
Ion Ratio	Lower	Upper	
91	100		
106	30.2	24.0	36.0





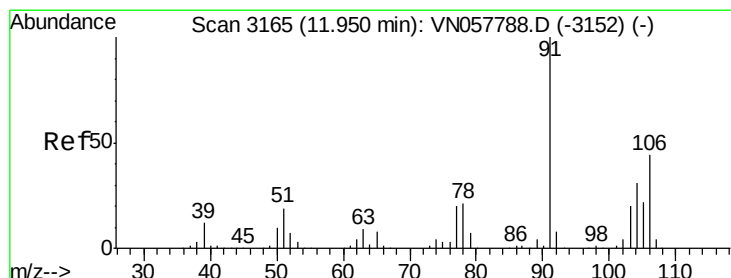
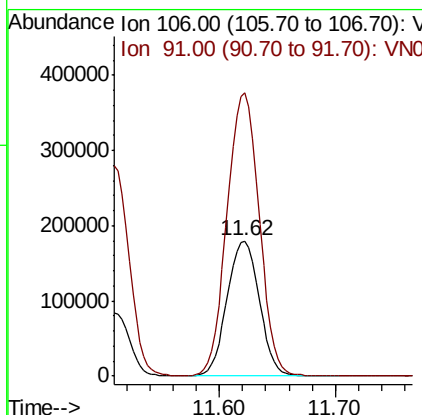
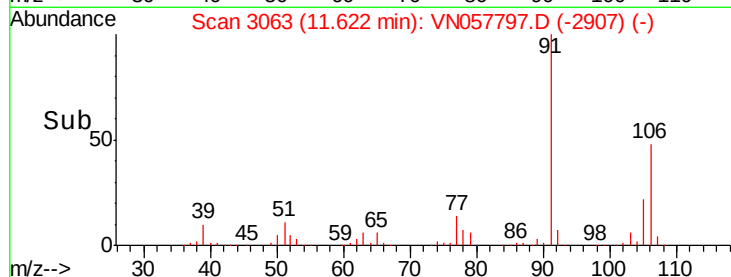
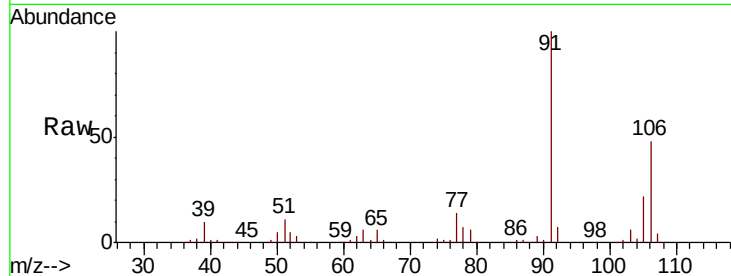
#67
m/p-Xylenes
Concen: 39.877 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN057797.D
Acq: 9 Sep 2019 13:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:106 Resp: 345970
Ion Ratio Lower Upper
106 100
91 209.1 166.1 249.1

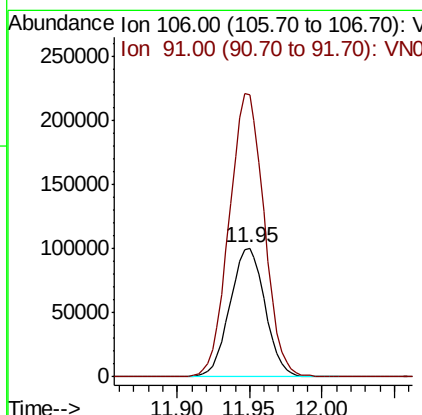
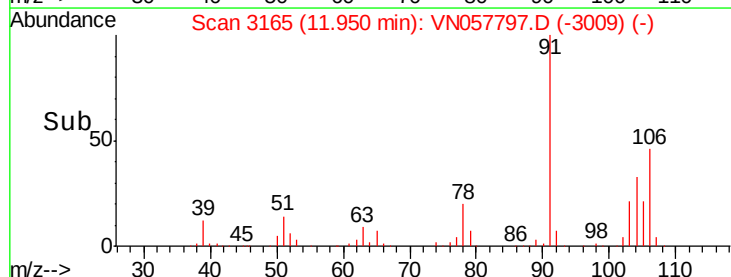
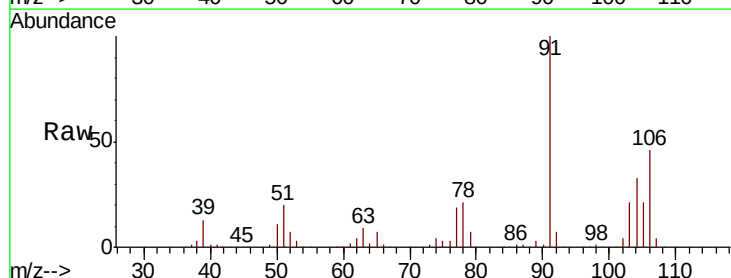
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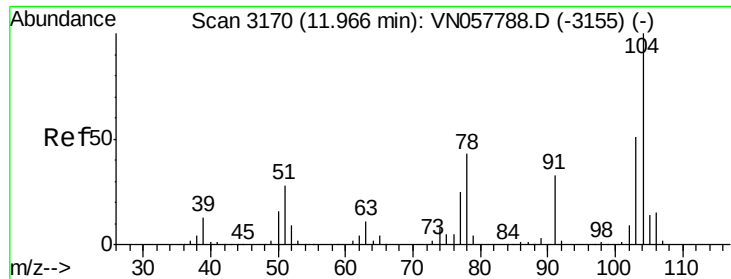
MMDadoda
9/13/2019 11:05:09 AM



#68
o-Xylene
Concen: 19.980 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN057797.D
Acq: 9 Sep 2019 13:14

Tgt Ion:106 Resp: 169821
Ion Ratio Lower Upper
106 100
91 218.4 111.5 334.4





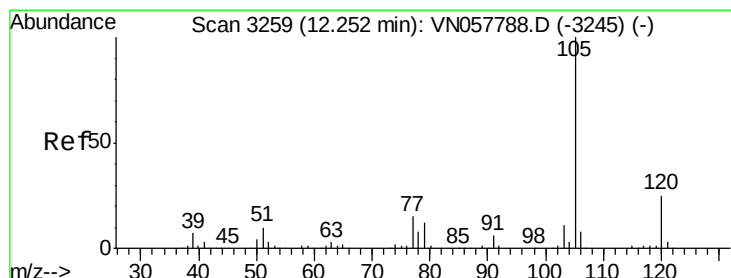
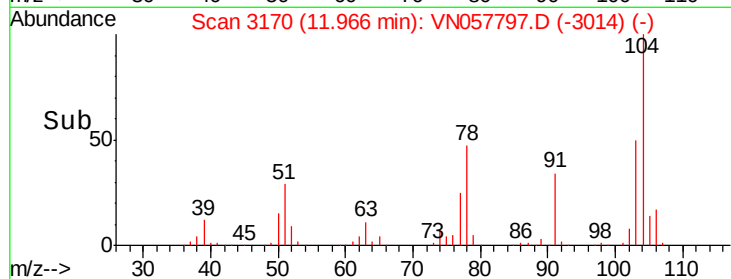
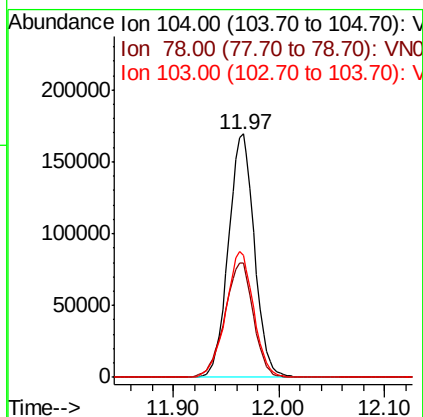
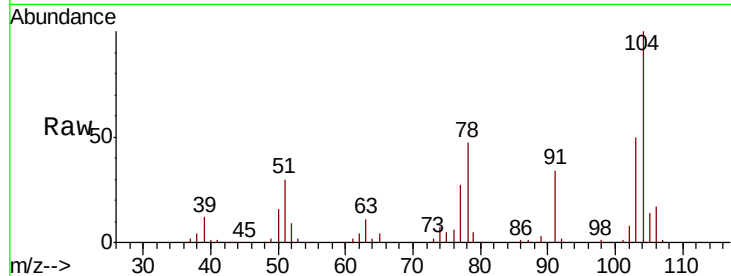
#69
Styrene
Concen: 19.896 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN057797.D
Acq: 9 Sep 2019 13:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	288320		
78	51.9	41.5	62.3	
103	55.3	44.8	67.2	

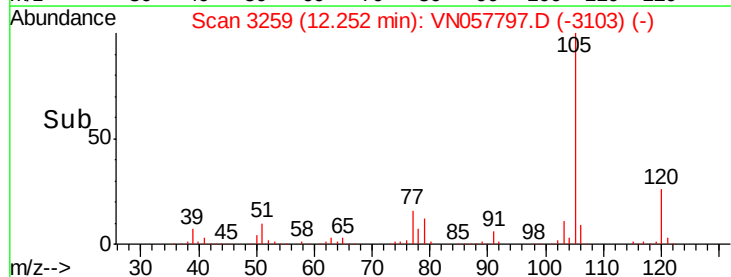
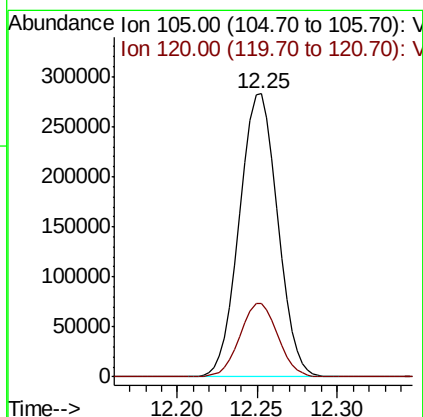
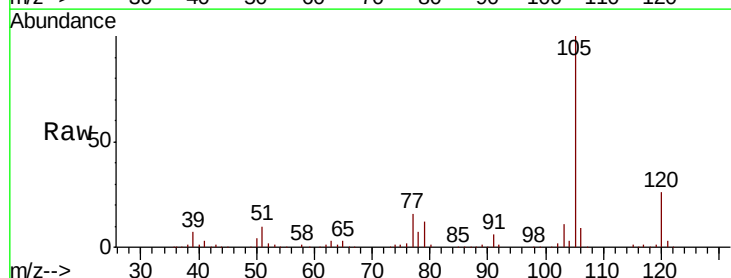
Manual Integrations
APPROVED

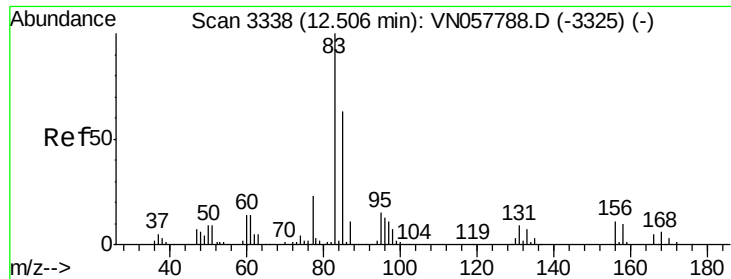
MMDadoda
9/13/2019 11:05:09 AM



#70
Isopropylbenzene
Concen: 20.564 ug/l
RT: 12.25 min Scan# 3259
Delta R.T. 0.00 min
Lab File: VN057797.D
Acq: 9 Sep 2019 13:14

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	462091		
120	25.7	17.6	32.6	





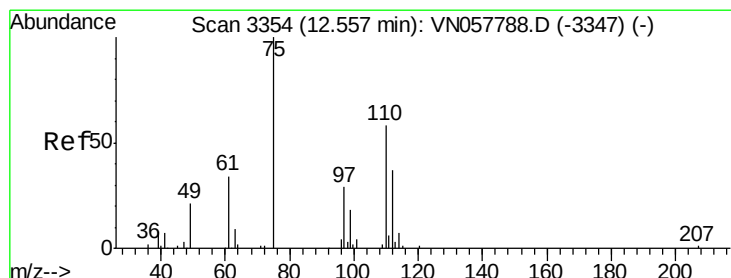
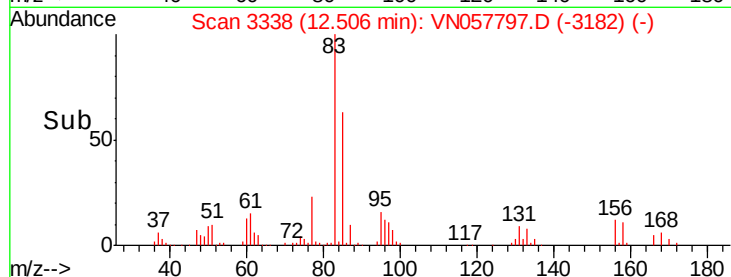
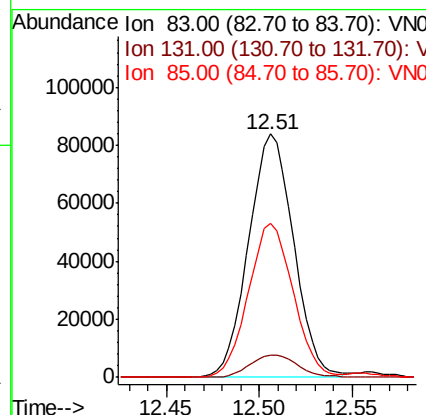
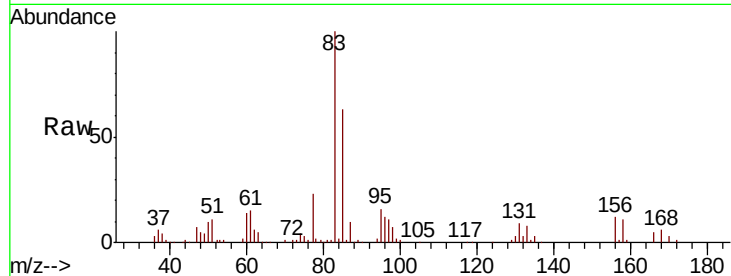
#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.124 ug/l
 RT: 12.51 min Scan# 3338
 Delta R.T. 0.00 min
 Lab File: VN057797.D
 Acq: 9 Sep 2019 13:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	141327		
131	9.8	4.9	14.6	
85	62.8	32.1	96.3	

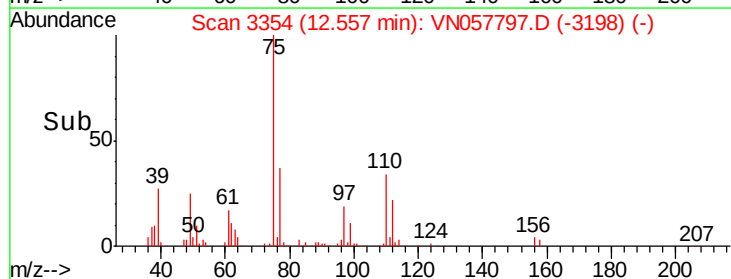
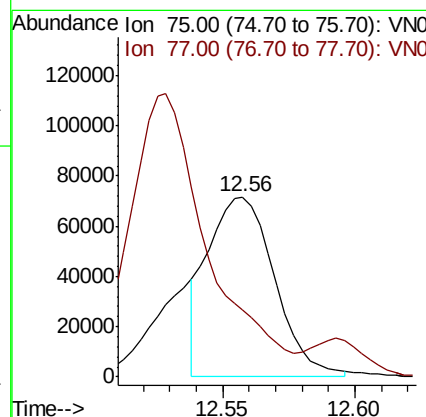
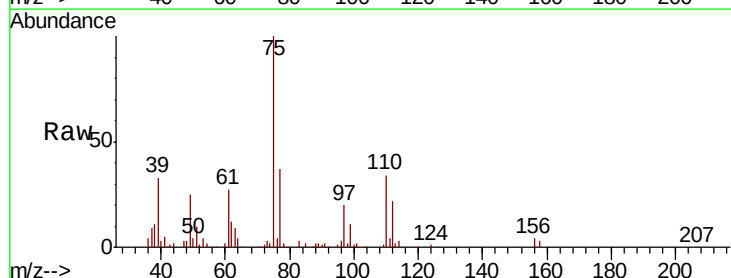
Manual Integrations
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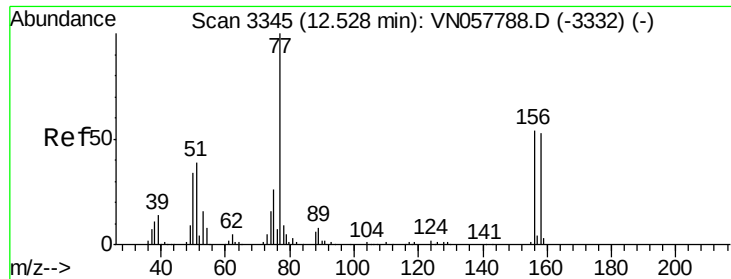
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 9/13/2019 11:05:09 AM



#72
 1,2,3-Trichloropropane
 Concen: 20.076 ug/l m
 RT: 12.56 min Scan# 3354
 Delta R.T. 0.00 min
 Lab File: VN057797.D
 Acq: 9 Sep 2019 13:14

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	125132		
77	185.0	0.0	351.6	





#73

Bromobenzene

Concen: 19.237 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN057797.D

Acq: 9 Sep 2019 13:14

Instrument :

MSVOA_N

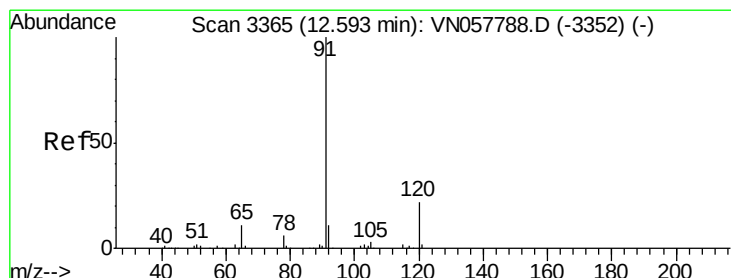
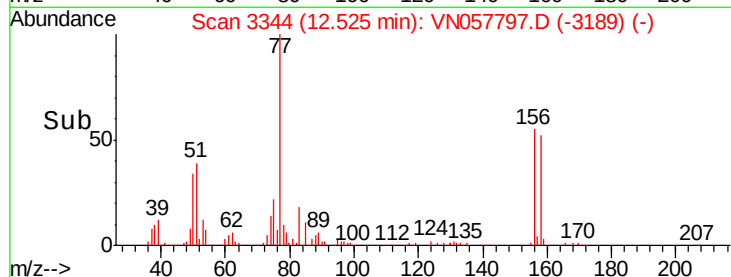
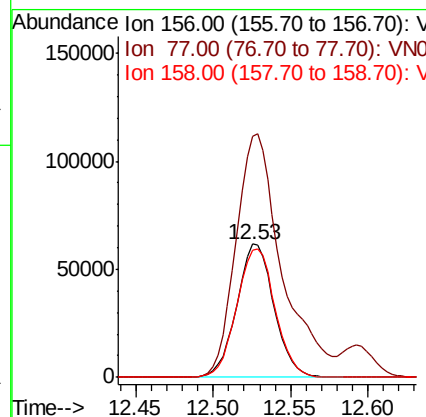
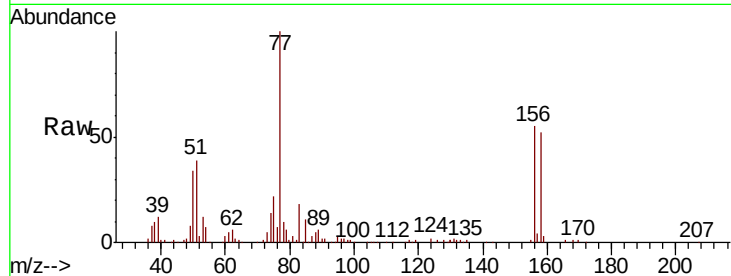
ClientSampleId :

VSTDCCC020EC

Tgt Ion:	156	Resp:	103490
Ion Ratio	Lower	Upper	
156	100		
77	223.6	0.0	446.6
158	98.8	0.0	197.2

Manual Integrations
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#74

n-propylbenzene

Concen: 20.993 ug/l

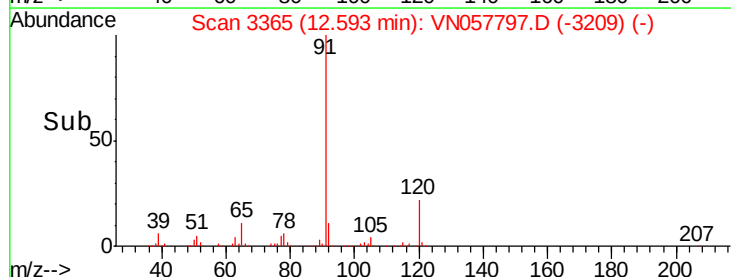
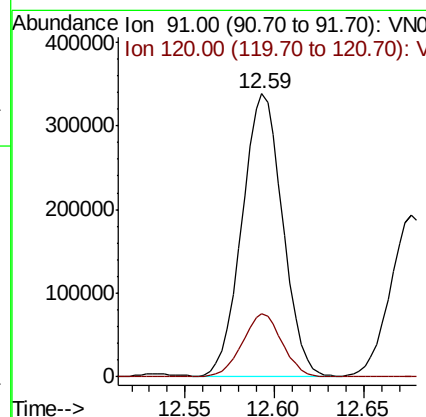
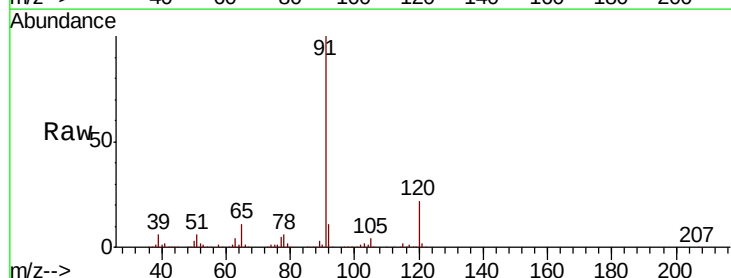
RT: 12.59 min Scan# 3365

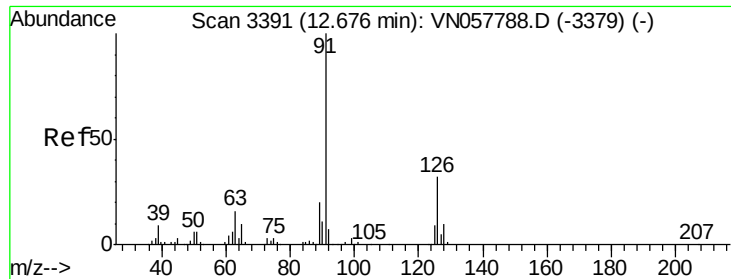
Delta R.T. 0.00 min

Lab File: VN057797.D

Acq: 9 Sep 2019 13:14

Tgt Ion:	91	Resp:	538939
Ion Ratio	Lower	Upper	
91	100		
120	21.8	0.0	43.4





#75

2-Chlorotoluene

Concen: 19.802 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN057797.D

Acq: 9 Sep 2019 13:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 91 Resp: 316641

Ion Ratio Lower Upper

91 100

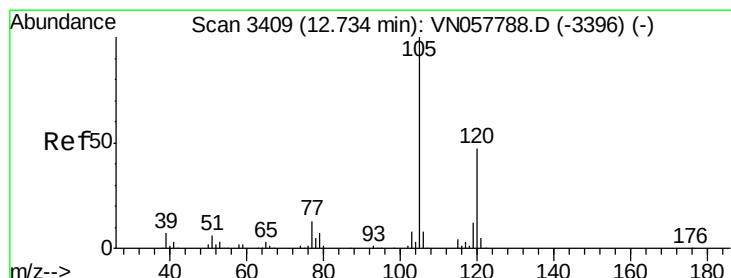
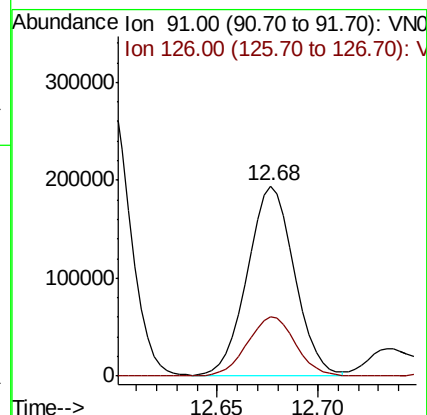
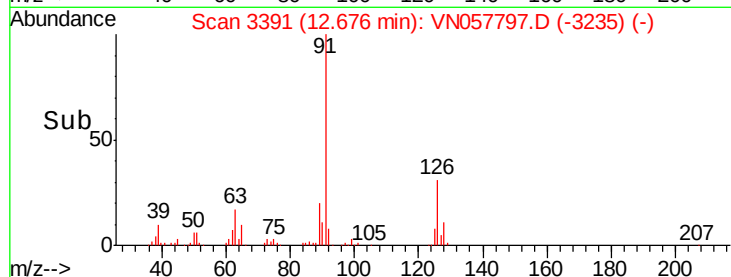
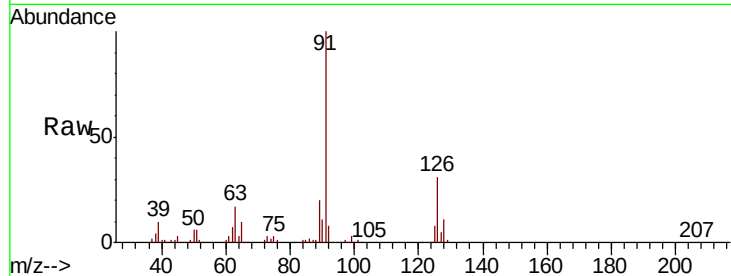
126 31.9 0.0 64.8

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9/13/2019 11:05:09 AM



#76

1,3,5-Trimethylbenzene

Concen: 20.134 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN057797.D

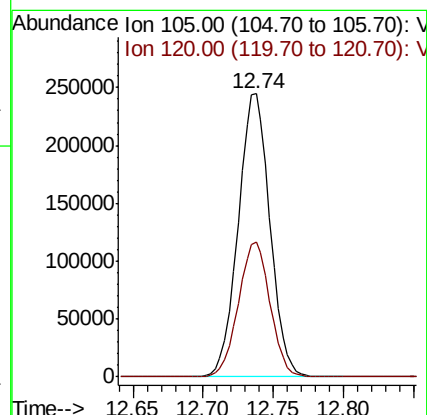
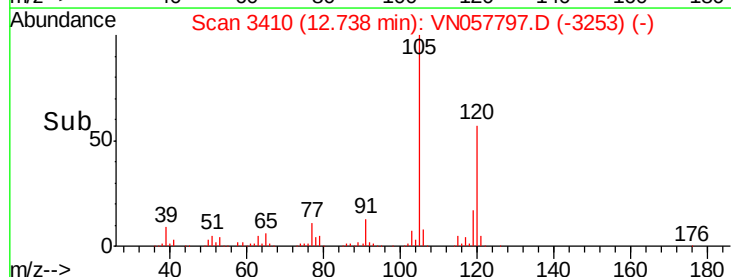
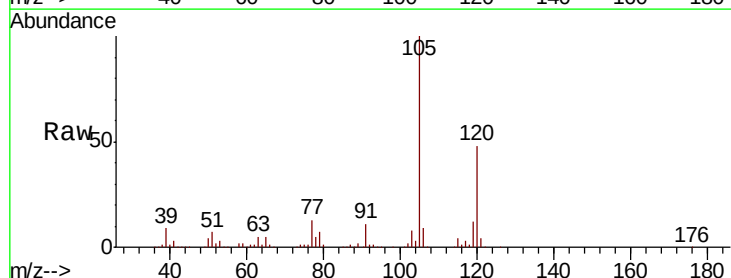
Acq: 9 Sep 2019 13:14

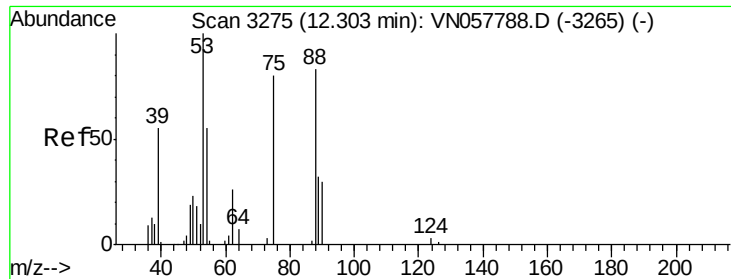
Tgt Ion: 105 Resp: 385247

Ion Ratio Lower Upper

105 100

120 47.5 0.0 94.4





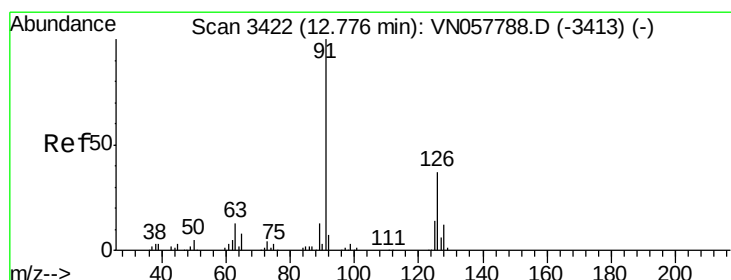
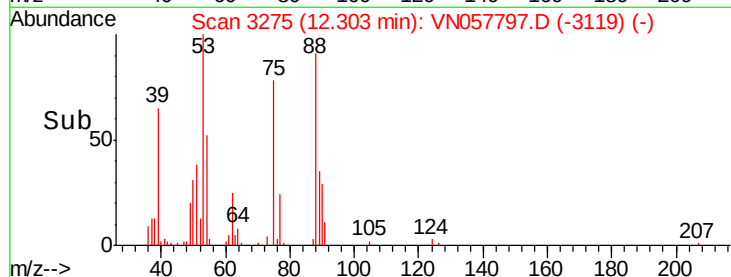
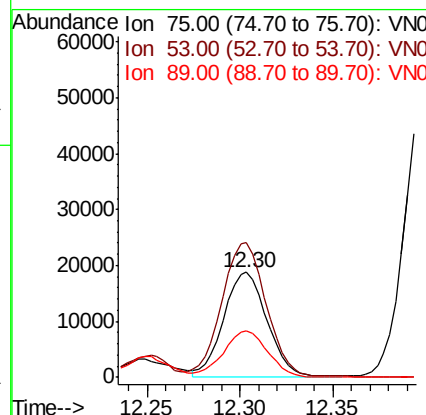
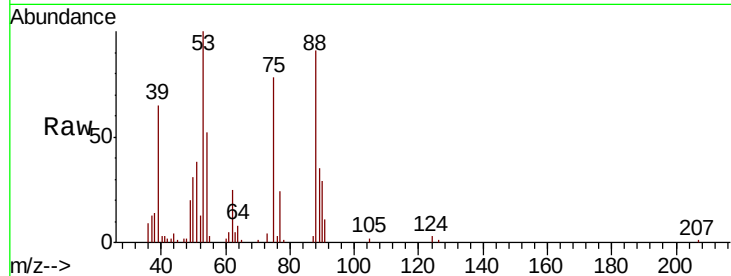
#77
t-1,4-Dichloro-2-butene
Concen: 16.718 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN057797.D
Acq: 9 Sep 2019 13:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion	Ratio	Lower	Upper
75	100		
53	128.2	62.7	188.2
89	44.8	22.8	68.3

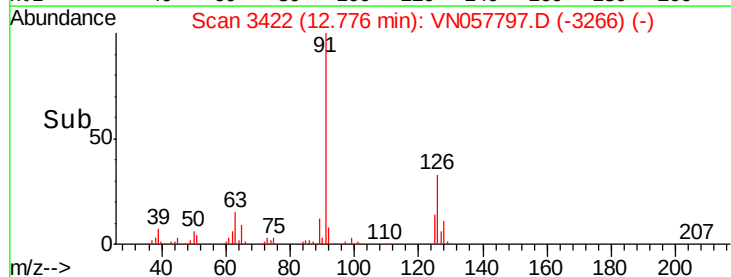
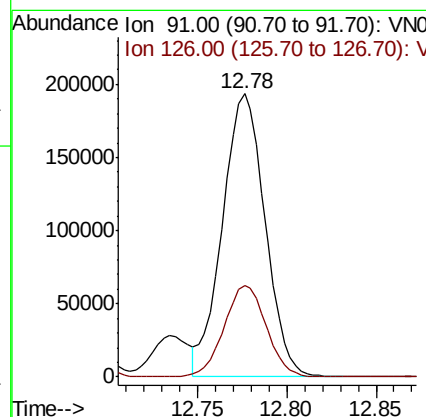
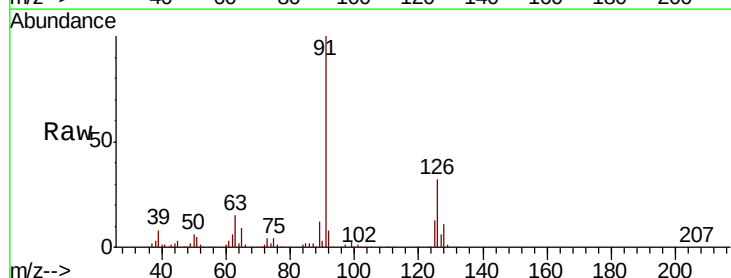
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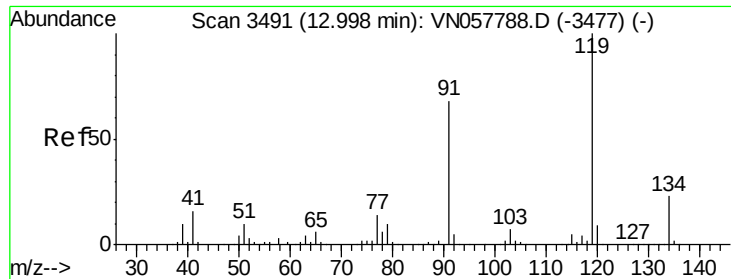
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9/13/2019 11:05:09 AM



#78
4-Chlorotoluene
Concen: 19.535 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN057797.D
Acq: 9 Sep 2019 13:14

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.3	0.0	65.2





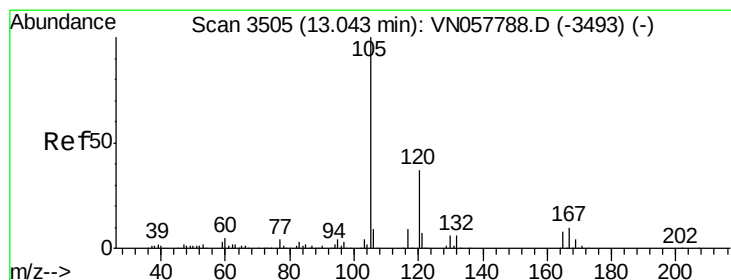
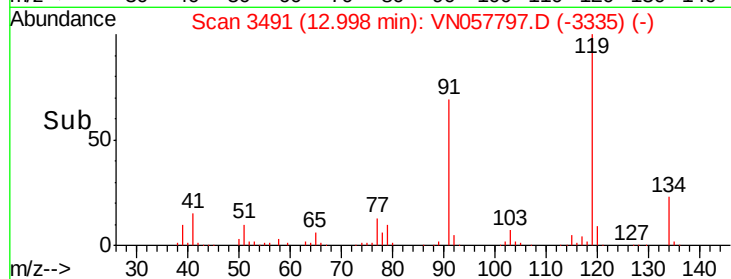
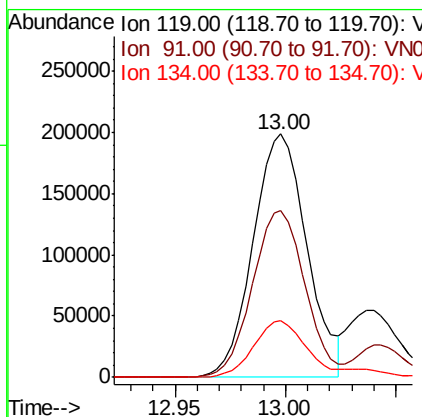
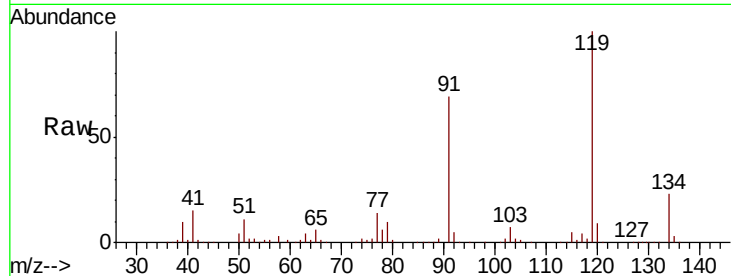
#79
tert-butylbenzene
Concen: 20.126 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. 0.00 min
Lab File: VN057797.D
Acq: 9 Sep 2019 13:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	335961		
91	67.4	0.0	133.8	
134	22.6	0.0	46.4	

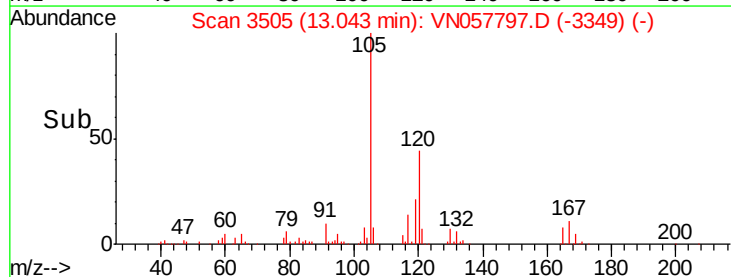
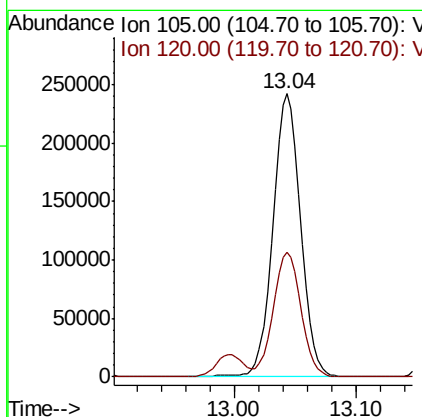
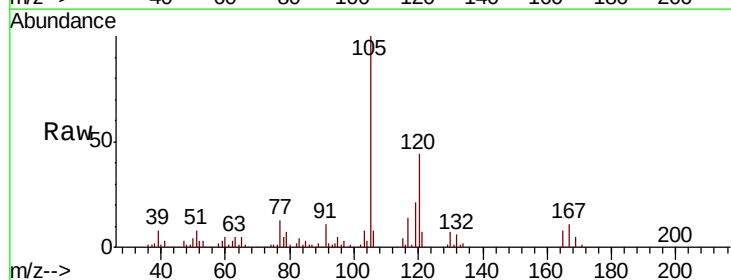
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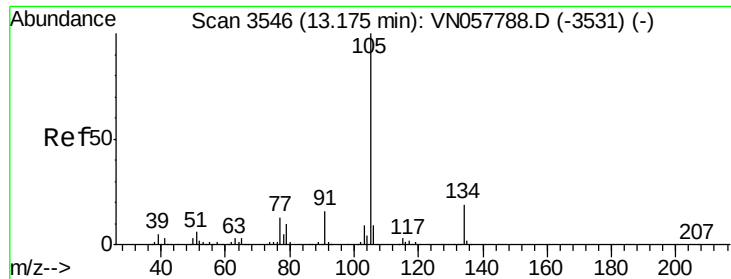
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9/13/2019 11:05:09 AM



#80
1,2,4-Trimethylbenzene
Concen: 20.271 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. 0.00 min
Lab File: VN057797.D
Acq: 9 Sep 2019 13:14

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	386464		
120	44.2	0.0	87.8	





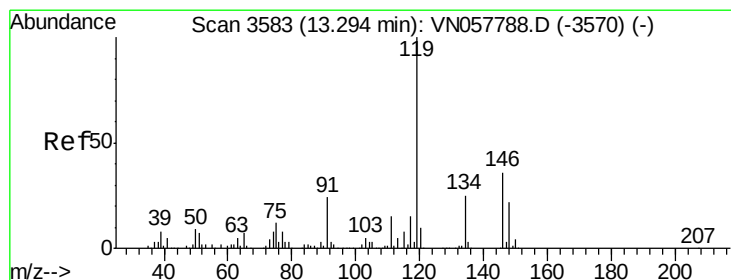
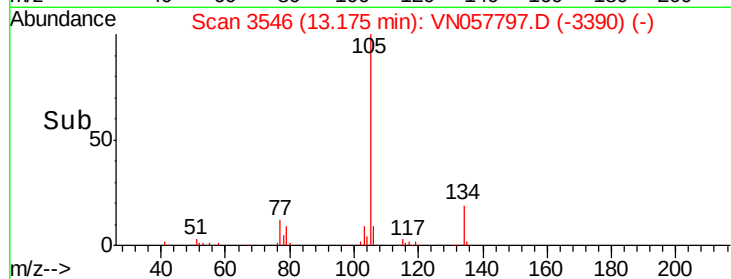
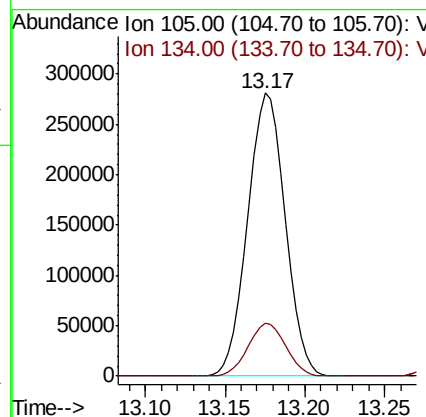
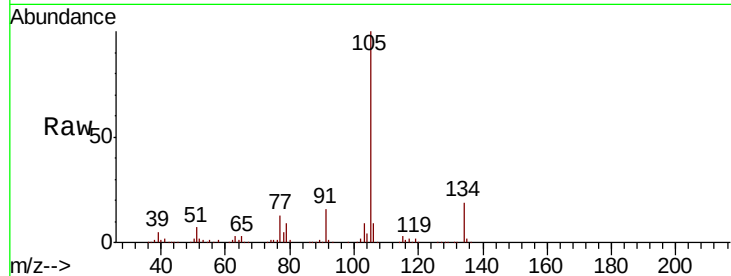
#81
 sec-Butylbenzene
 Concen: 20.238 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN057797.D
 Acq: 9 Sep 2019 13:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tgt Ion	Ratio	Lower	Upper
105	100		
134	18.9	0.0	37.6

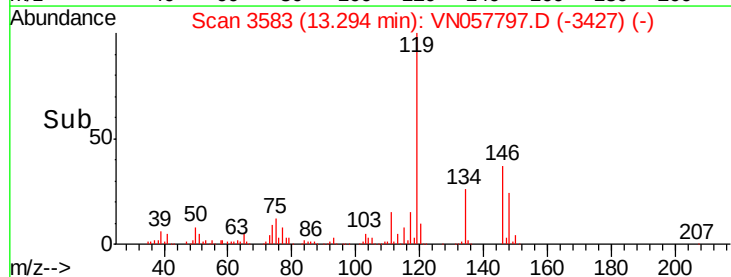
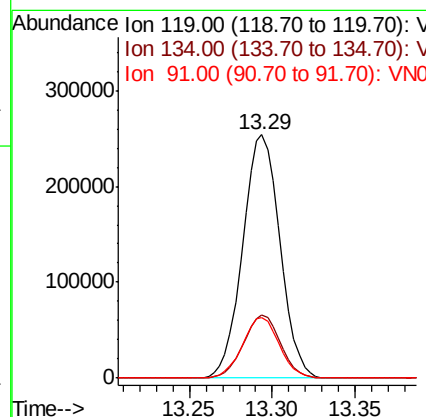
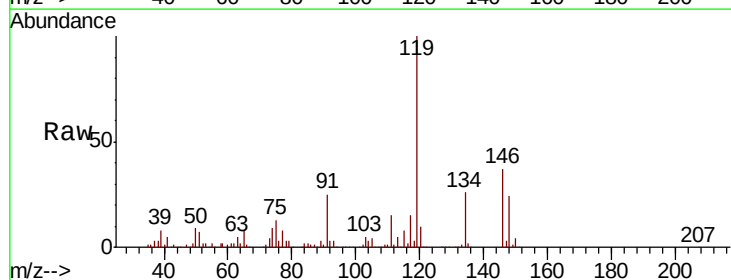
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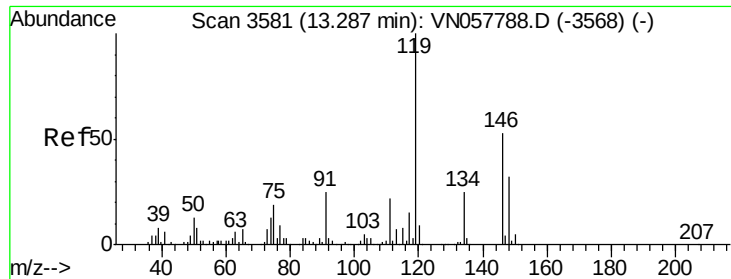
MMDadoda
 9/13/2019 11:05:09 AM



#82
 p-Isopropyltoluene
 Concen: 20.005 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. 0.00 min
 Lab File: VN057797.D
 Acq: 9 Sep 2019 13:14

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





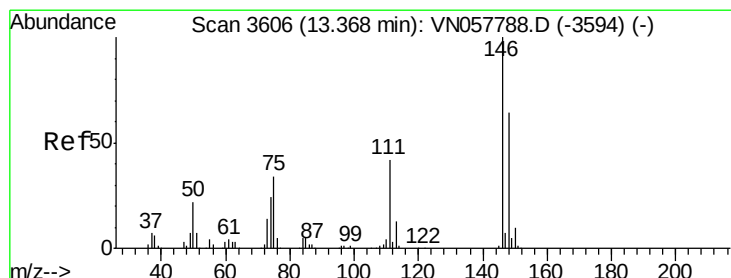
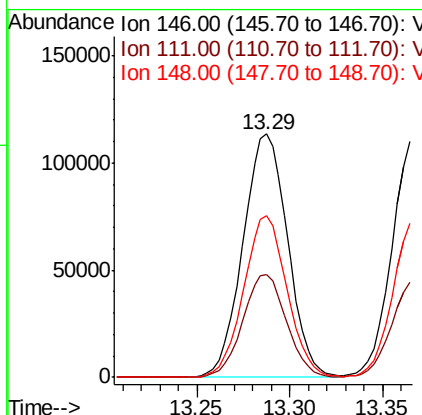
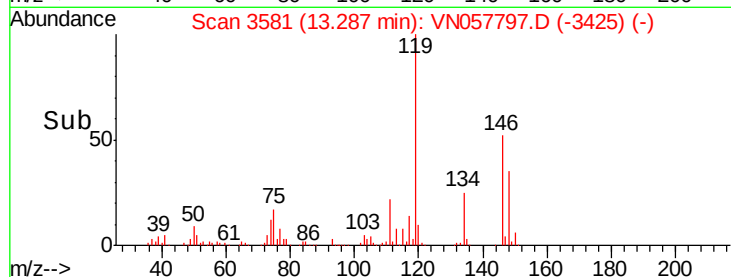
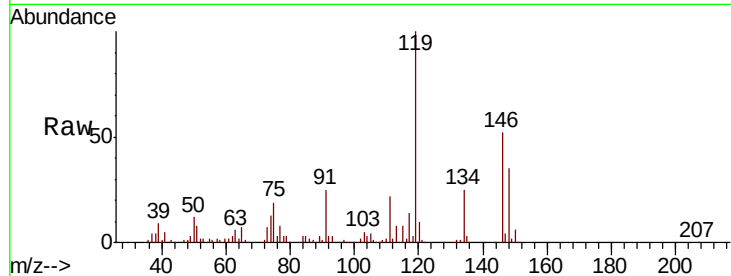
#83
 1,3-Dichlorobenzene
 Concen: 18.998 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN057797.D
 Acq: 9 Sep 2019 13:14

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020EC

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.7	62.1
148	64.3	30.9	92.5

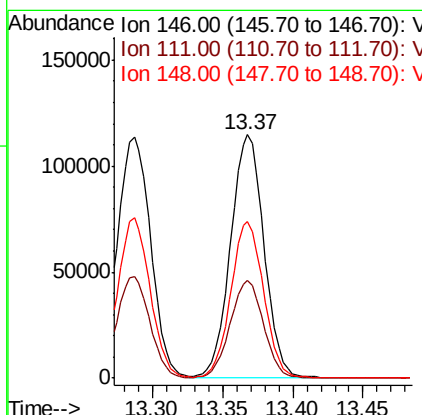
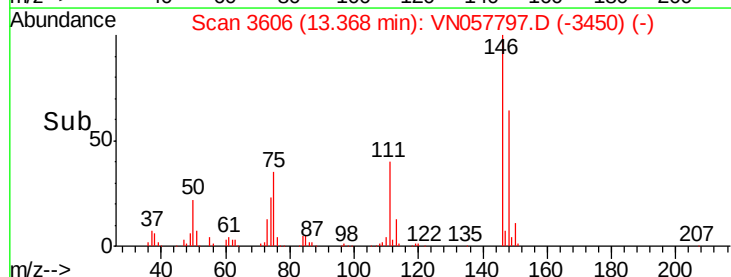
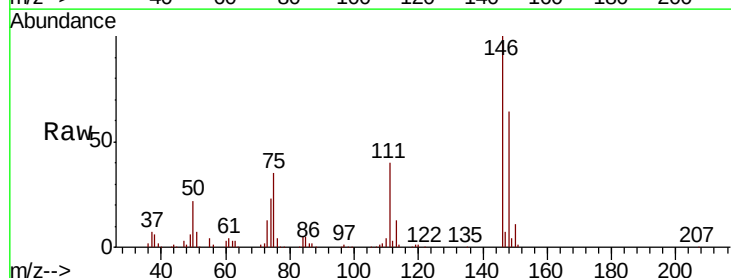
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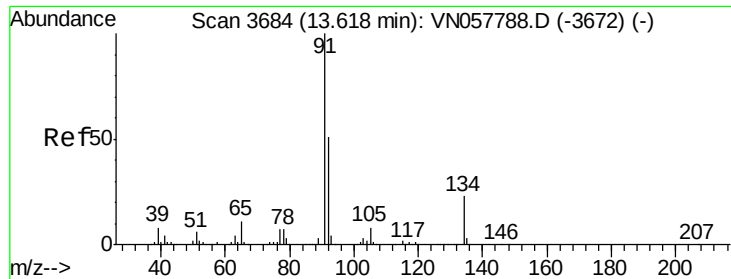
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 9/13/2019 11:05:09 AM



#84
 1,4-Dichlorobenzene
 Concen: 19.430 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN057797.D
 Acq: 9 Sep 2019 13:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.0	21.1	63.4
148	62.2	31.7	95.1





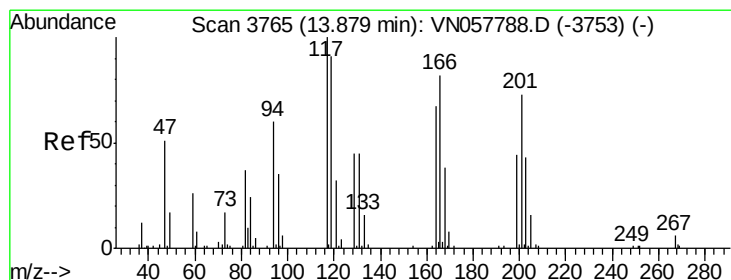
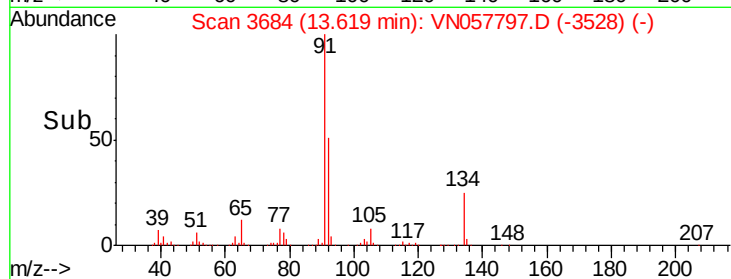
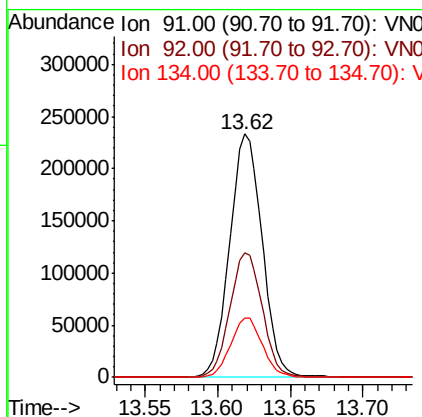
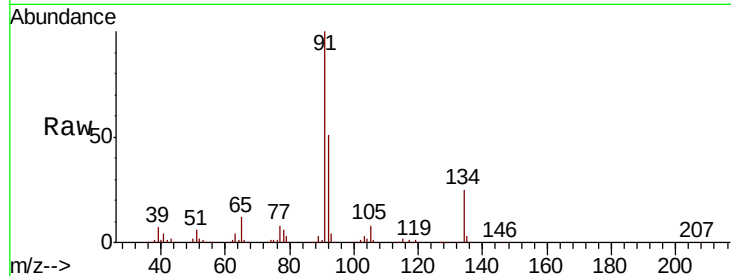
#85
n-Butylbenzene
Concen: 19.600 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN057797.D
Acq: 9 Sep 2019 13:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.2	0.0	100.0
134	23.9	0.0	46.6

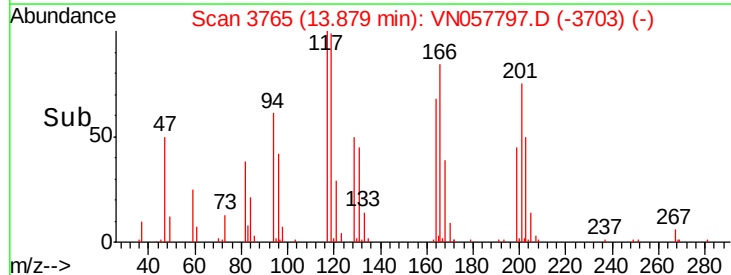
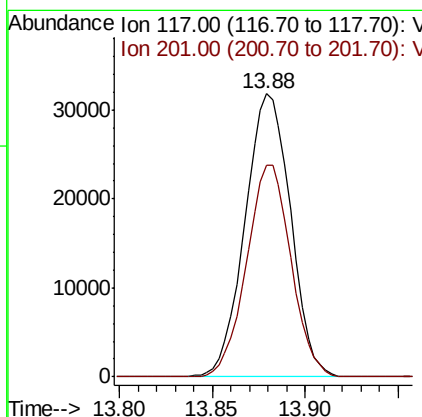
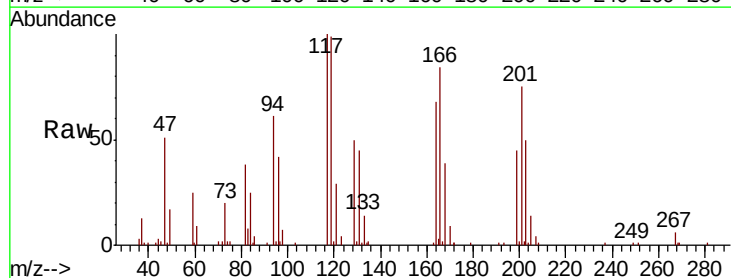
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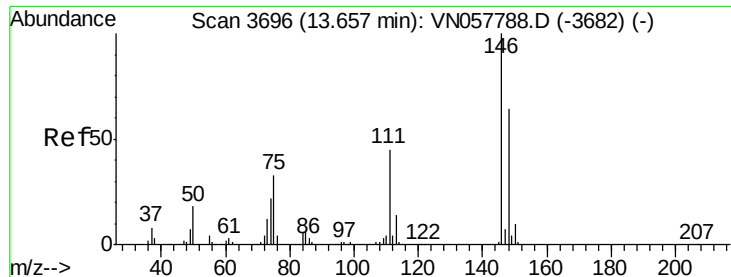
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9/13/2019 11:05:09 AM



#86
Hexachloroethane
Concen: 17.160 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN057797.D
Acq: 9 Sep 2019 13:14

Tgt Ion	Ratio	Lower	Upper
117	100		
201	72.9	36.7	110.1





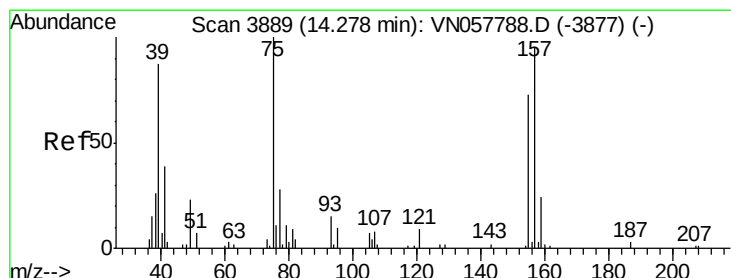
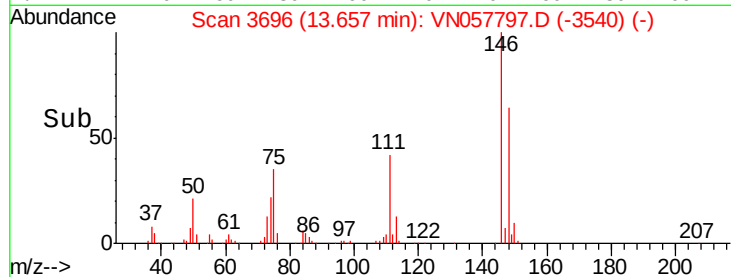
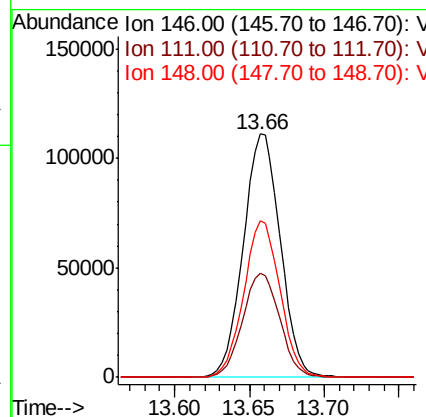
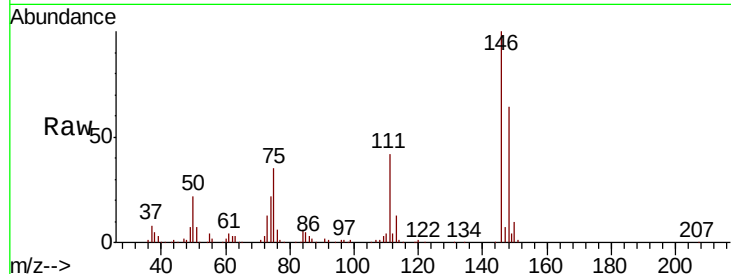
#87
 1,2-Dichlorobenzene
 Concen: 19.731 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN057797.D
 Acq: 9 Sep 2019 13:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	191522		
111	42.8	22.2	66.6	
148	63.0	32.1	96.3	

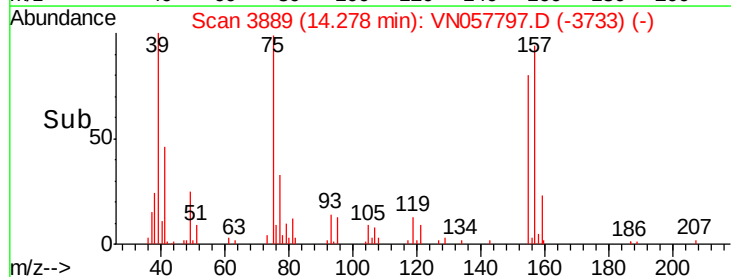
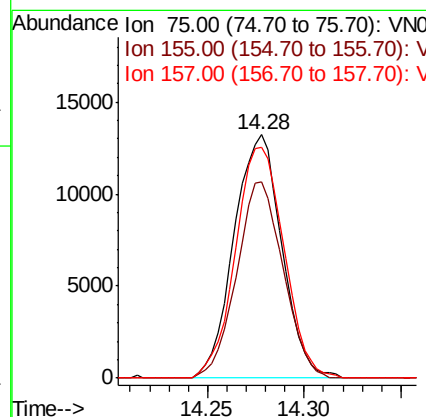
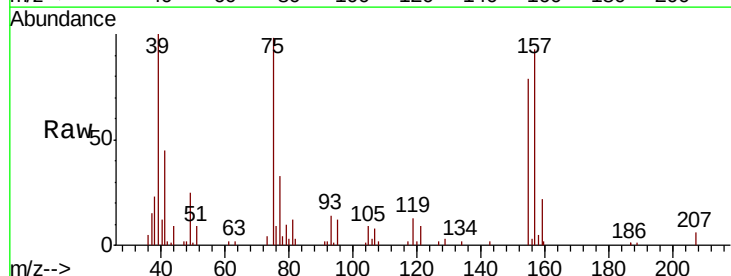
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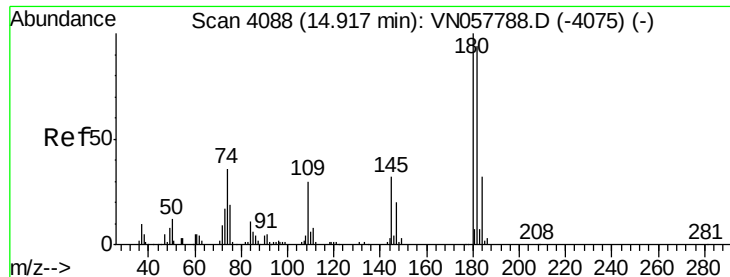
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 18.393 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN057797.D
 Acq: 9 Sep 2019 13:14

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	22742		
155	78.1	59.4	89.2	
157	96.4	74.6	112.0	





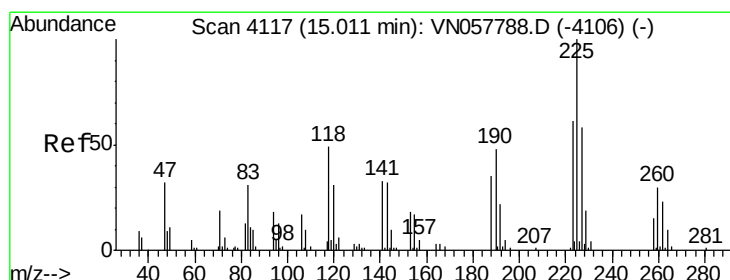
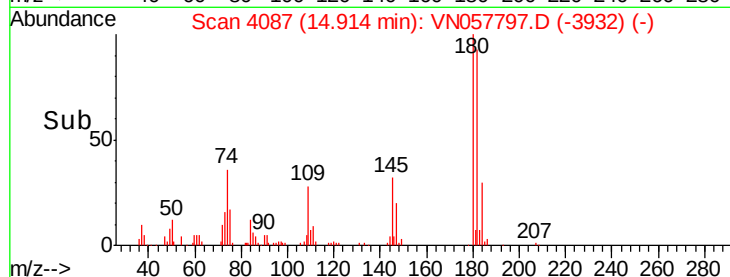
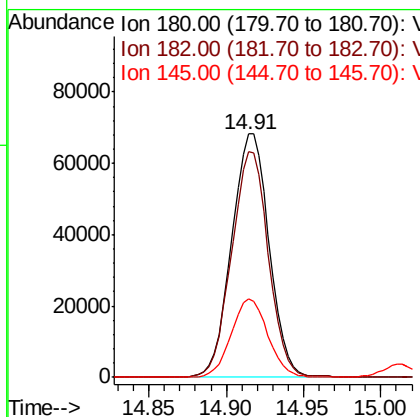
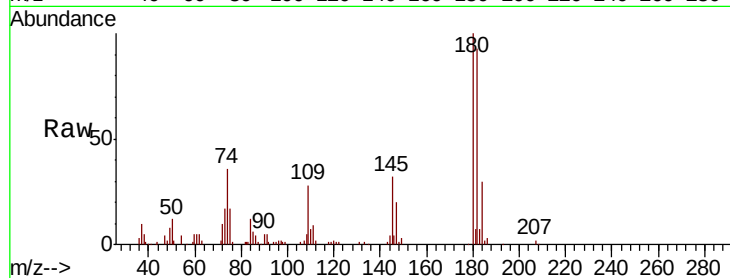
#89
 1,2,4-Trichlorobenzene
 Concen: 19.351 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN057797.D
 Acq: 9 Sep 2019 13:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	114736		
182	91.1	77.0	115.4	
145	31.4	26.1	39.1	

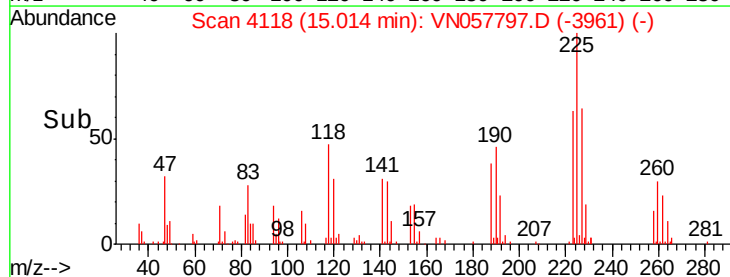
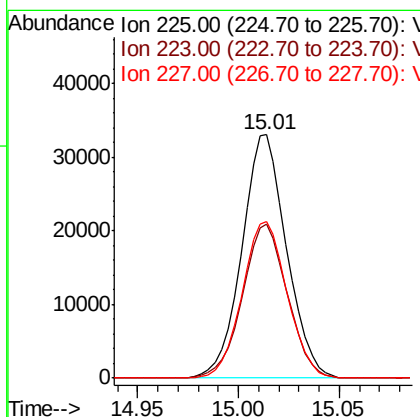
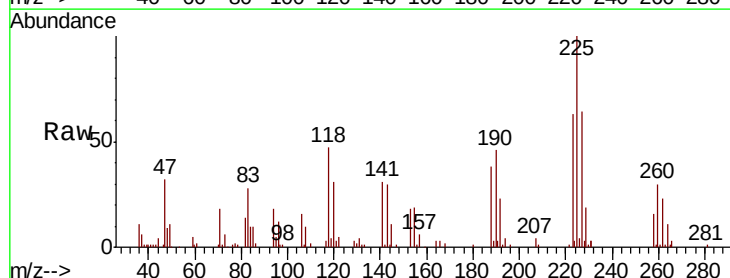
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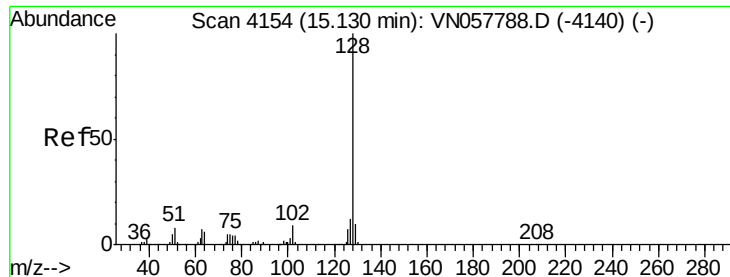
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#90
 Hexachlorobutadiene
 Concen: 18.790 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN057797.D
 Acq: 9 Sep 2019 13:14

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	51167		
223	63.6	0.0	125.0	
227	64.7	0.0	123.8	





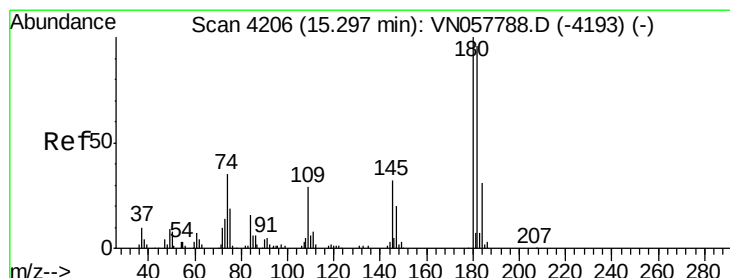
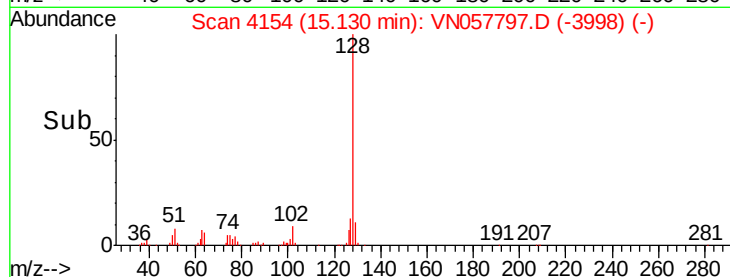
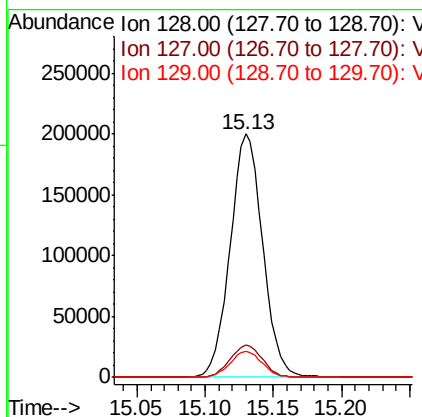
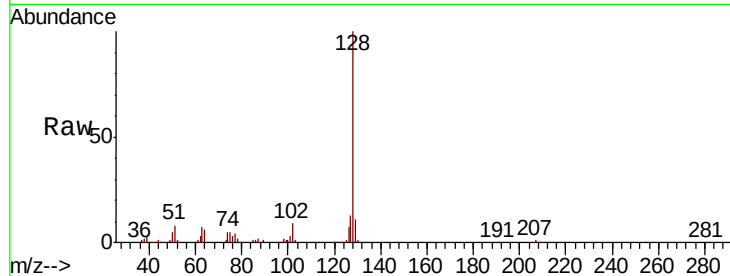
#91
Naphthalene
Concen: 20.292 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN057797.D
Acq: 9 Sep 2019 13:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	331053		
127	13.2	9.9	14.9	
129	10.6	8.1	12.1	

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9/13/2019 11:05:09 AM



#92
1,2,3-Trichlorobenzene
Concen: 19.843 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. 0.00 min
Lab File: VN057797.D
Acq: 9 Sep 2019 13:14

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	112207		
182	92.3	0.0	189.8	
145	32.0	0.0	65.0	

