

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060419\
 Data File : VN055977.D
 Acq On : 4 Jun 2019 9:12
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 6/5/2019 4:03:30 PM

Quant Time: Jun 04 10:08:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 10:05:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	330533	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	478942	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	425765	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	177794	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	70990	21.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.44%	
35) Dibromofluoromethane	7.59	113	62326	21.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.50%	
50) Toluene-d8	10.09	98	239439	21.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.62%	
62) 4-Bromofluorobenzene	12.40	95	78923	21.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	43.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	76116	26.782	ug/l	100
3) Chloromethane	2.06	50	78844	23.196	ug/l	98
4) Vinyl Chloride	2.18	62	78667	23.099	ug/l	100
5) Bromomethane	2.55	94	53251	20.576	ug/l	97
6) Chloroethane	2.69	64	45112	21.438	ug/l	94
7) Trichlorofluoromethane	3.01	101	94544	20.724	ug/l	99
8) Diethyl Ether	3.40	74	38942	20.337	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	58611	21.177	ug/l	99
10) Methyl Iodide	3.94	142	89611	21.427	ug/l	99
11) Tert butyl alcohol	4.81	59	62058	108.575	ug/l	97
12) 1,1-Dichloroethene	3.72	96	57942	21.540	ug/l	97
13) Acrolein	3.61	56	16436	100.962	ug/l	100
14) Allyl chloride	4.31	41	89188	21.177	ug/l	98
15) Acrylonitrile	4.99	53	145334	110.931	ug/l	100
16) Acetone	3.82	43	168748	104.938	ug/l	97
17) Carbon Disulfide	4.04	76	132065	22.276	ug/l	100
18) Methyl Acetate	4.33	43	64023	16.717	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	182037	20.705	ug/l	98
20) Methylene Chloride	4.54	84	66584	20.430	ug/l	99
21) trans-1,2-Dichloroethene	5.03	96	61216	20.980	ug/l	99
22) Diisopropyl ether	5.95	45	183075	20.402	ug/l	94
23) Vinyl Acetate	5.90	43	744232	112.784	ug/l	100
24) 1,1-Dichloroethane	5.84	63	108368	20.840	ug/l	99
25) 2-Butanone	6.84	43	209409	110.082	ug/l	99
26) 2,2-Dichloropropane	6.82	77	82812	20.587	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	72174	20.857	ug/l	97
28) Bromochloromethane	7.19	49	52164	21.470	ug/l	98
29) Tetrahydrofuran	7.22	42	126275	106.151	ug/l	99
30) Chloroform	7.37	83	108446	20.761	ug/l	100
31) Cyclohexane	7.65	56	105287	19.051	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	90754	21.422	ug/l	100
36) 1,1-Dichloropropene	7.79	75	79585	19.141	ug/l	99
37) Ethyl Acetate	6.93	43	75620	21.813	ug/l	100
38) Carbon Tetrachloride	7.77	117	75835	20.568	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	102569	20.174	ug/l	99
40) Benzene	8.04	78	255739	20.560	ug/l	99
41) Methacrylonitrile	7.17	41	34248	21.260	ug/l	90
42) 1,2-Dichloroethane	8.12	62	82738	20.095	ug/l	99
43) Isopropyl Acetate	8.17	43	118976	21.262	ug/l	99
44) Trichloroethene	8.83	130	72310	20.059	ug/l	97
45) 1,2-Dichloropropane	9.12	63	66310	20.844	ug/l	98
46) Dibromomethane	9.21	93	42450	20.621	ug/l	98
47) Bromodichloromethane	9.40	83	76080	21.377	ug/l	99
48) Methyl methacrylate	9.20	41	58738	21.082	ug/l	98
49) 1,4-Dioxane	9.20	88	25459	422.464	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	371547	103.377	ug/l	99
52) Toluene	10.15	92	160441	21.157	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	78697	22.972	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	93885	22.837	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	63404	21.065	ug/l	99
56) Ethyl methacrylate	10.43	69	88620	21.411	ug/l	98
57) 1,3-Dichloropropane	10.71	76	102858	21.106	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	150174	108.887	ug/l	99
59) 2-Hexanone	10.75	43	269918	103.903	ug/l	100
60) Dibromochloromethane	10.90	129	59341	23.232	ug/l	98
61) 1,2-Dibromoethane	11.00	107	63491	21.341	ug/l	97
64) Tetrachloroethene	10.63	164	73768	18.847	ug/l	99
65) Chlorobenzene	11.43	112	169393	19.782	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	60162	21.758	ug/l	99
67) Ethyl Benzene	11.51	91	299211	20.398	ug/l	98
68) m/p-Xylenes	11.62	106	228528	41.287	ug/l	99
69) o-Xylene	11.95	106	112344	20.380	ug/l	99
70) Styrene	11.96	104	178377	21.901	ug/l	99
71) Bromoform	12.13	173	39729	22.665	ug/l #	98
73) Isopropylbenzene	12.25	105	295026	18.212	ug/l	100
74) N-amyl acetate	12.07	43	96646	19.255	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	84275	18.314	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	69552m	18.271	ug/l	
77) Bromobenzene	12.53	156	76701	18.407	ug/l	97
78) n-propylbenzene	12.59	91	303665	18.783	ug/l	99
79) 2-Chlorotoluene	12.67	91	190108	17.851	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	242597	18.223	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	17944	20.880	ug/l #	80
82) 4-Chlorotoluene	12.77	91	177914	19.074	ug/l	99
83) tert-Butylbenzene	12.99	119	215546	17.832	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	234635	19.367	ug/l	99
85) sec-Butylbenzene	13.17	105	273208	18.734	ug/l	99
86) p-Isopropyltoluene	13.29	119	245448	19.383	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	120010	19.891	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	113106	19.676	ug/l	99
89) n-Butylbenzene	13.61	91	173038	19.971	ug/l	100
90) Hexachloroethane	13.87	117	35227	19.413	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	123160	19.661	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	12658	23.153	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	51501	23.493	ug/l	99
94) Hexachlorobutadiene	15.01	225	45960	17.600	ug/l	99
95) Naphthalene	15.13	128	134398	23.901	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	57987	23.398	ug/l	99

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

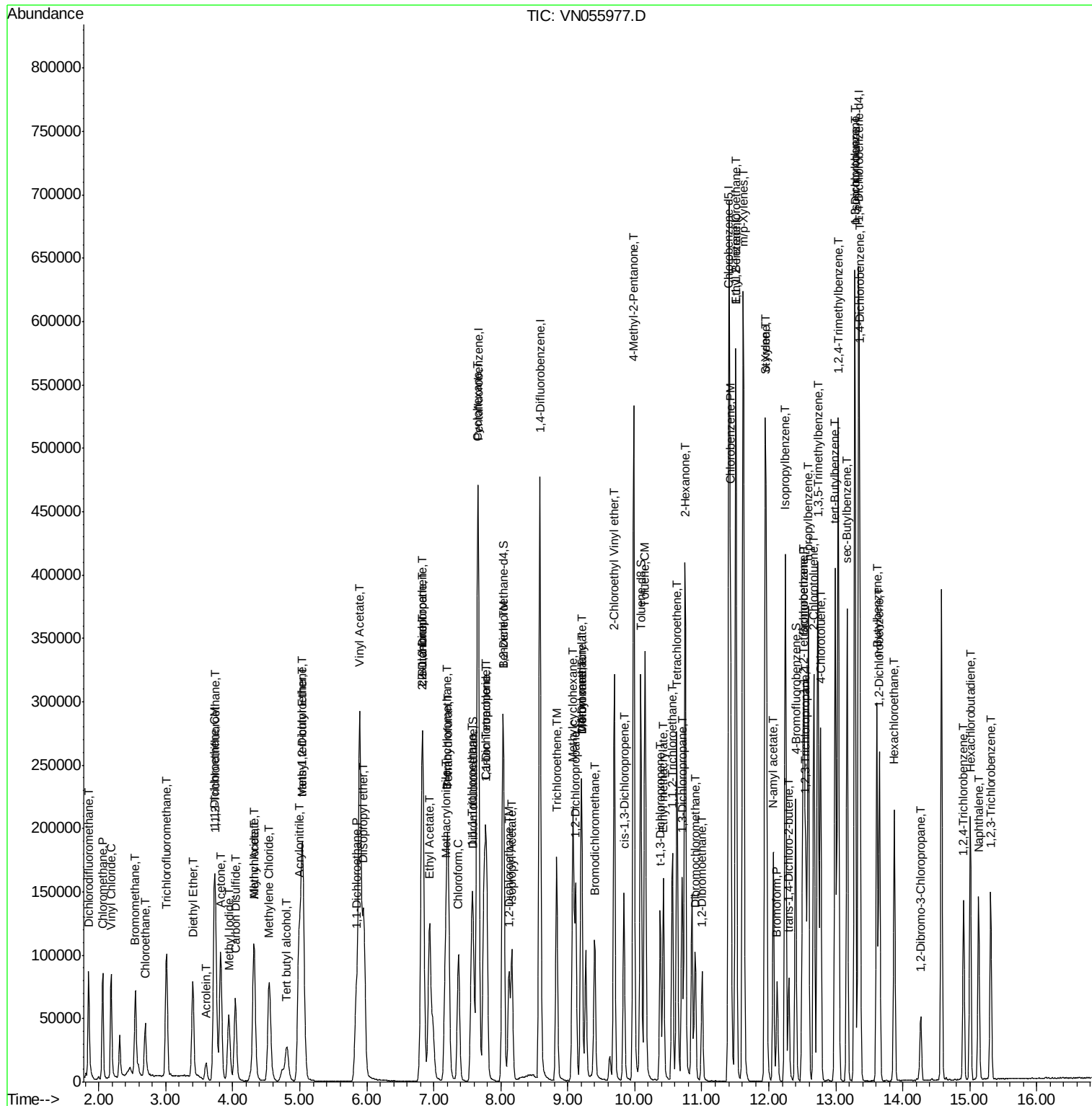
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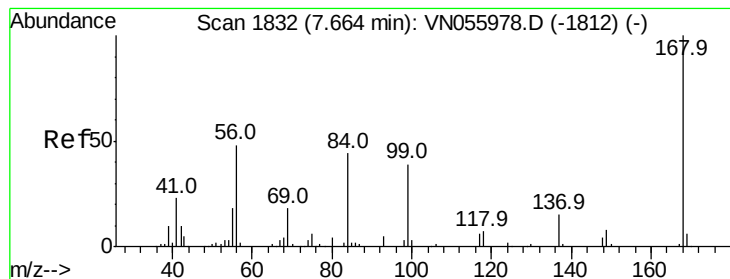
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN055977.D

Acq: 4 Jun 2019 9:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 330533

Ion Ratio Lower Upper

168 100

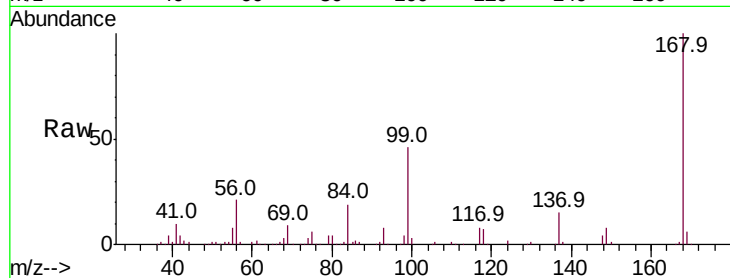
99 46.1 37.2 55.8

Manual Integrations

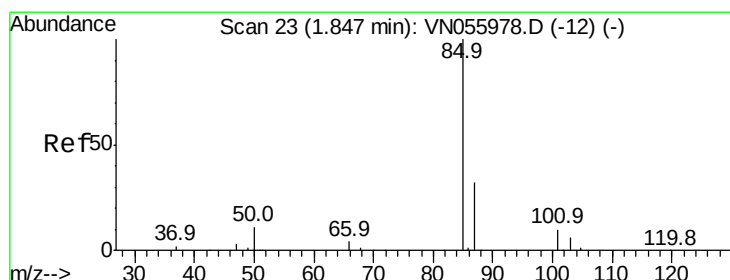
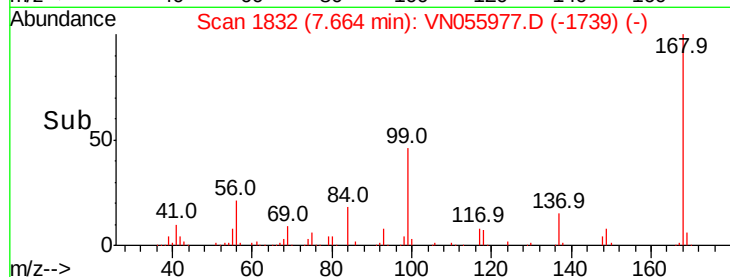
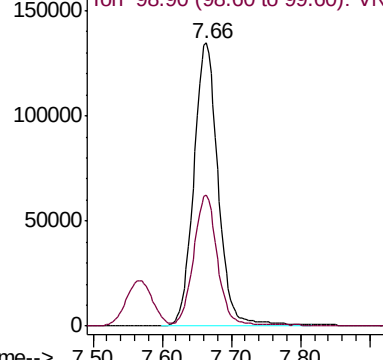
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Abundance Ion 167.90 (167.60 to 168.60): VN055977.D (-1739) (-)



#2

Dichlorodifluoromethane

Concen: 26.782 ug/l

RT: 1.85 min Scan# 23

Delta R.T. -0.00 min

Lab File: VN055977.D

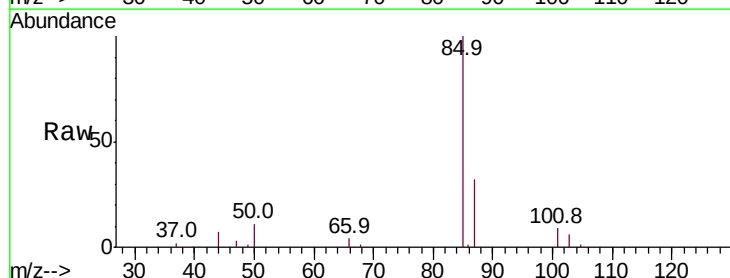
Acq: 4 Jun 2019 9:12

Tgt Ion: 85 Resp: 76116

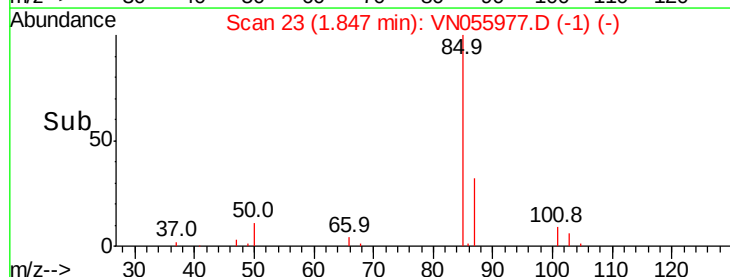
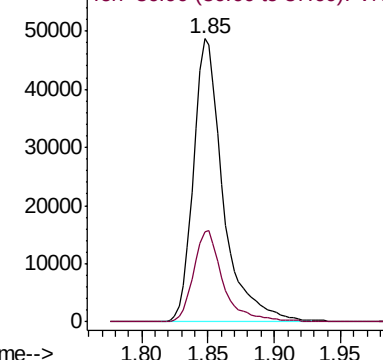
Ion Ratio Lower Upper

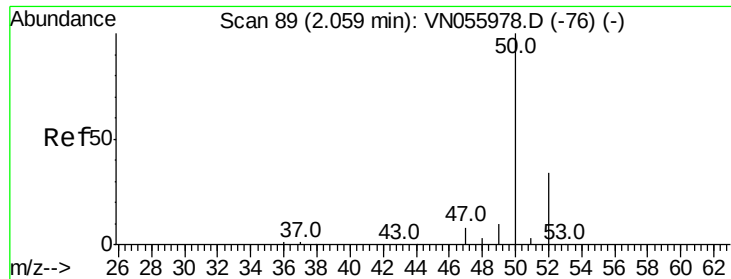
85 100

87 32.0 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN055977.D (-1) (-)





#3

Chloromethane

Concen: 23.196 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN055977.D

Acq: 4 Jun 2019 9:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 78844

Ion Ratio Lower Upper

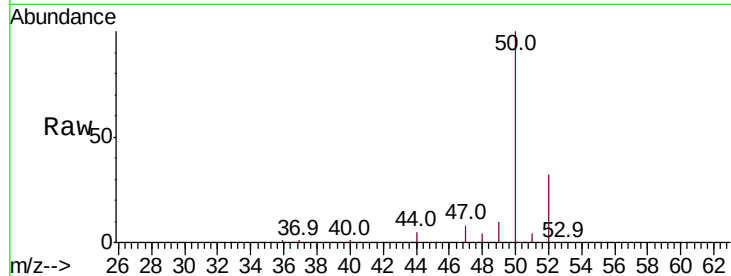
50 100

52 32.2 26.6 40.0

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Abundance Ion 49.90 (49.60 to 50.60): VN055977.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VN055977.D (-1) (-)

2.06

50000

40000

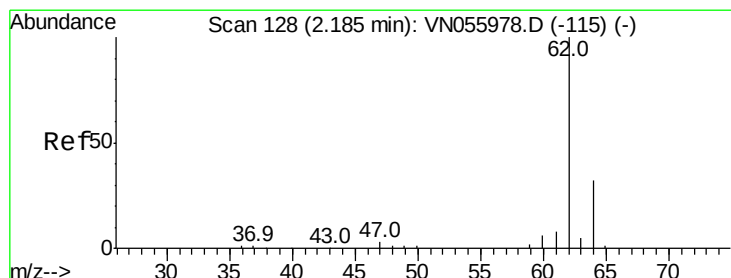
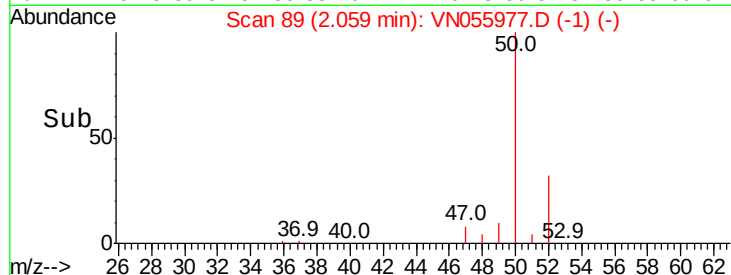
30000

20000

10000

0

Time-->



#4

Vinyl Chloride

Concen: 23.099 ug/l

RT: 2.18 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN055977.D

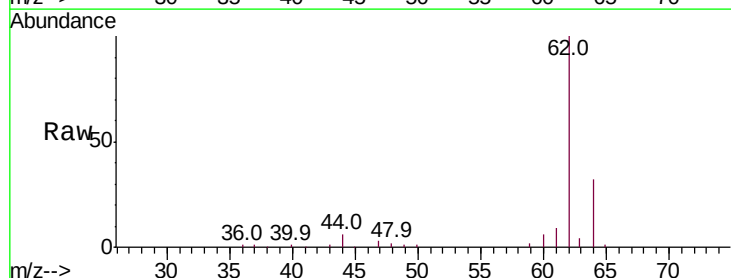
Acq: 4 Jun 2019 9:12

Tgt Ion: 62 Resp: 78667

Ion Ratio Lower Upper

62 100

64 31.8 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VN055977.D (-35) (-)

Ion 63.90 (63.60 to 64.60): VN055977.D (-35) (-)

2.18

50000

40000

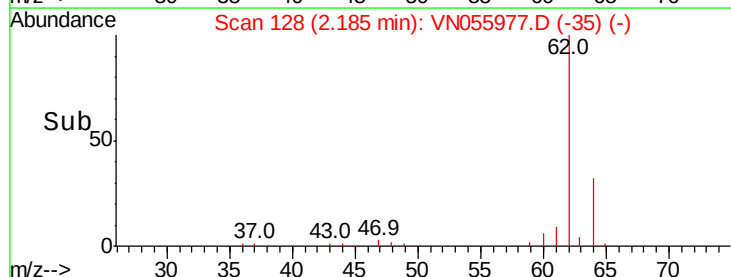
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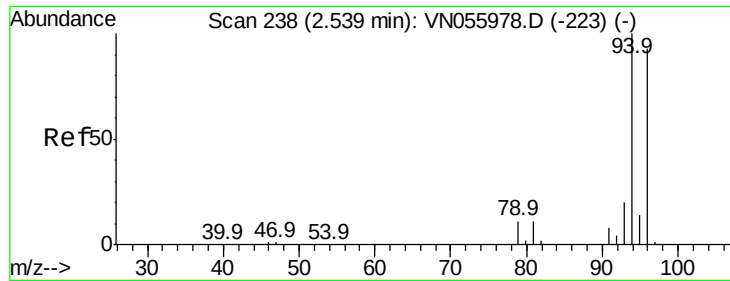
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Time-->





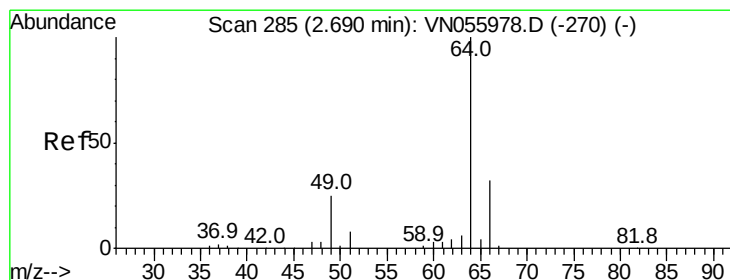
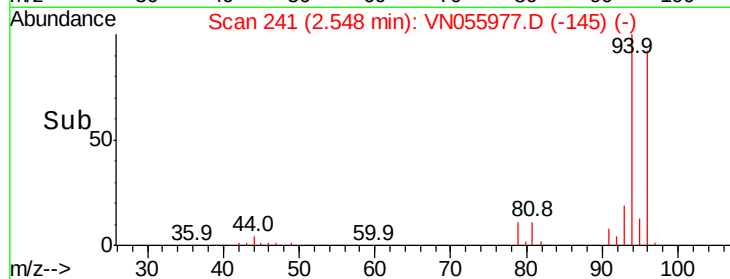
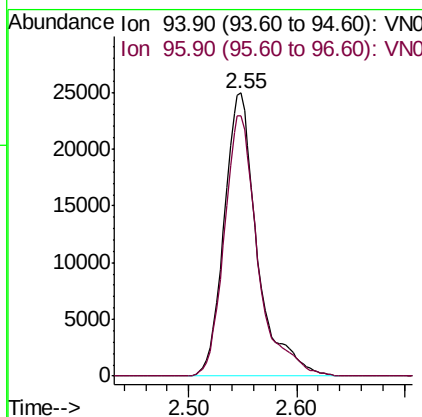
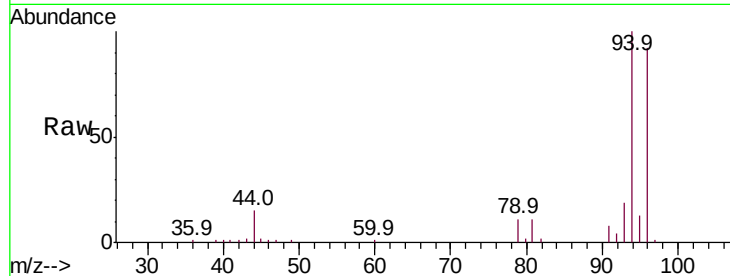
#5
Bromomethane
Concen: 20.576 ug/l
RT: 2.55 min Scan# 241
Delta R.T. 0.01 min
Lab File: VN055977.D
Acq: 4 Jun 2019 9:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 94 Resp: 53251
Ion Ratio Lower Upper
94 100
96 91.8 75.5 113.3

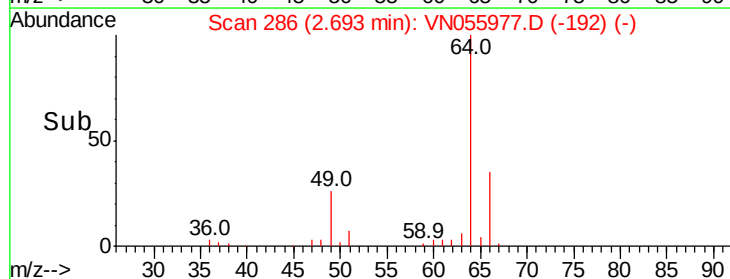
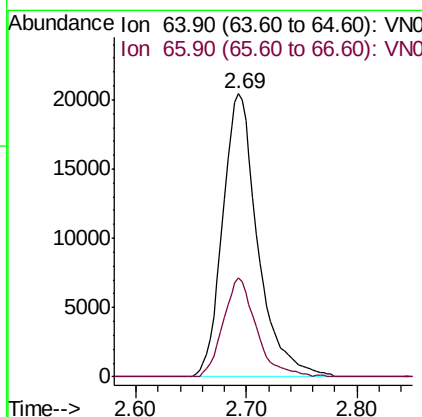
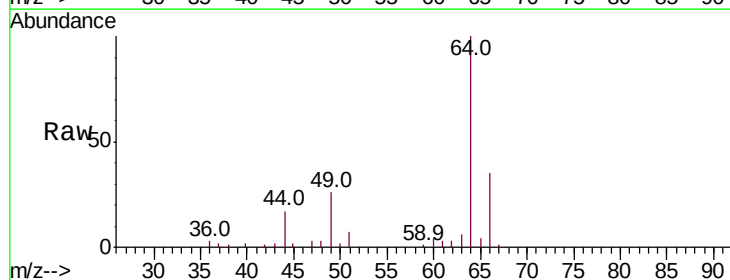
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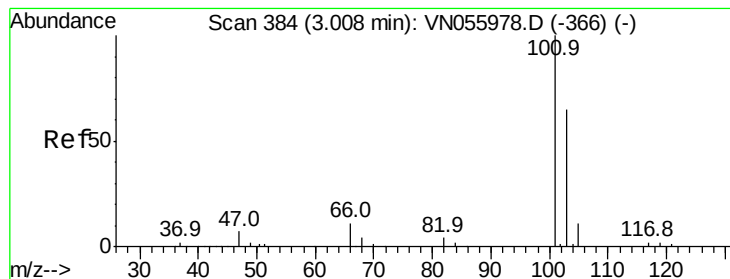
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6/5/2019 4:03:30 PM



#6
Chloroethane
Concen: 21.438 ug/l
RT: 2.69 min Scan# 286
Delta R.T. 0.00 min
Lab File: VN055977.D
Acq: 4 Jun 2019 9:12

Tgt Ion: 64 Resp: 45112
Ion Ratio Lower Upper
64 100
66 35.2 25.4 38.0





#7

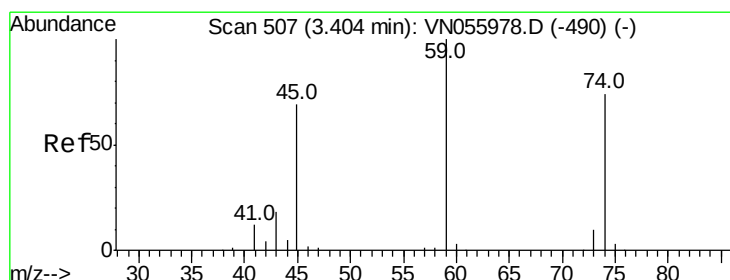
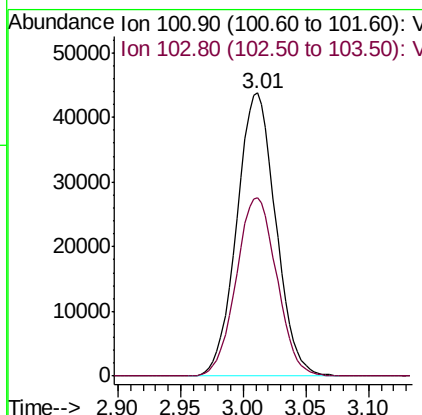
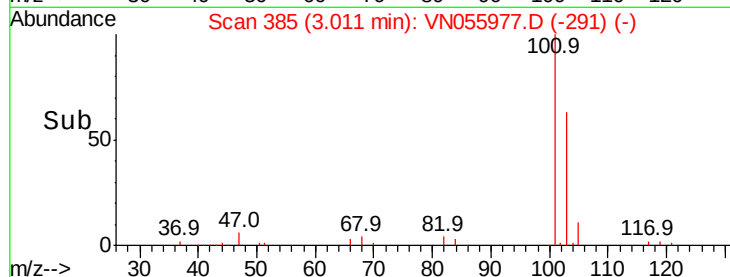
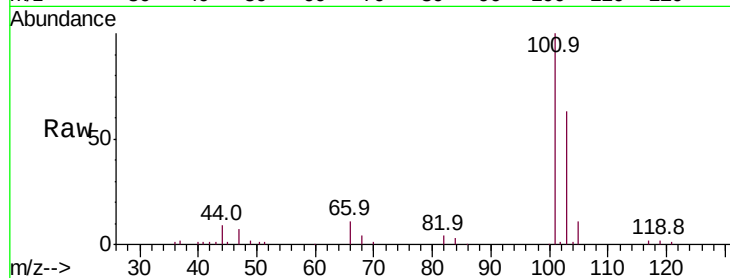
Trichlorofluoromethane
Concen: 20.724 ug/l
RT: 3.01 min Scan# 385
Delta R.T. 0.00 min
Lab File: VN055977.D
Acq: 4 Jun 2019 9:12

Instrument :
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ClientSampleId :
VSTDIC020

Tot Ion:101 Resp: 94544
Ion Ratio Lower Upper
101 100
103 63.2 51.2 76.8

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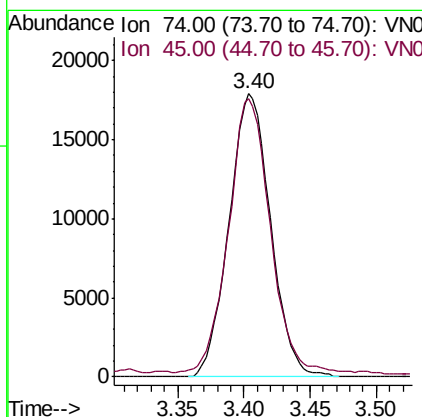
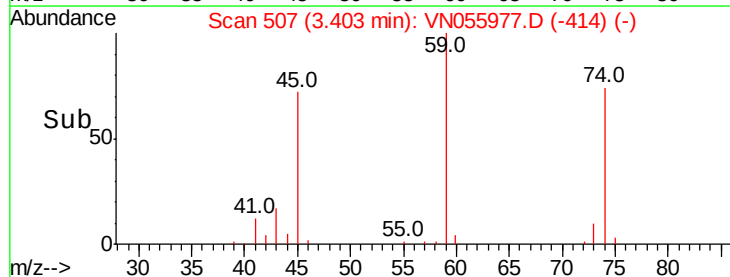
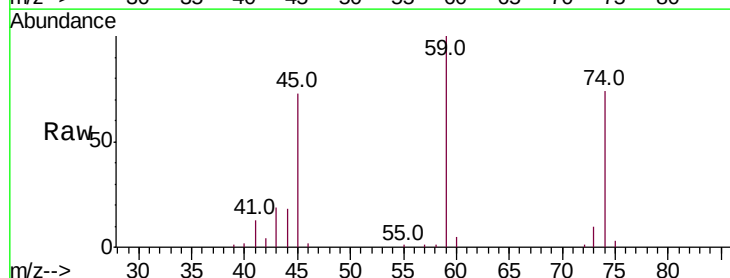
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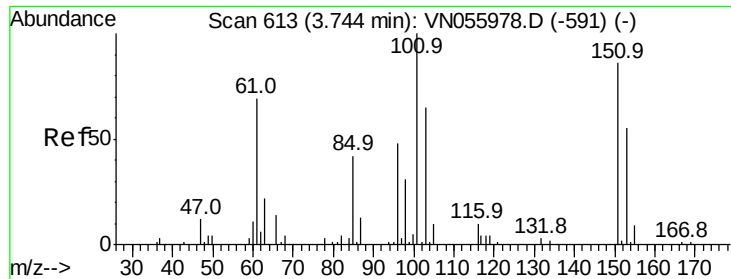


#8

Diethyl Ether
Concen: 20.337 ug/l
RT: 3.40 min Scan# 507
Delta R.T. -0.00 min
Lab File: VN055977.D
Acq: 4 Jun 2019 9:12

Tgt Ion: 74 Resp: 38942
Ion Ratio Lower Upper
74 100
45 96.1 48.6 145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.177 ug/l

RT: 3.74 min Scan# 613

Delta R.T. -0.00 min

Lab File: VN055977.D

Acq: 4 Jun 2019 9:12

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MSVOA_N

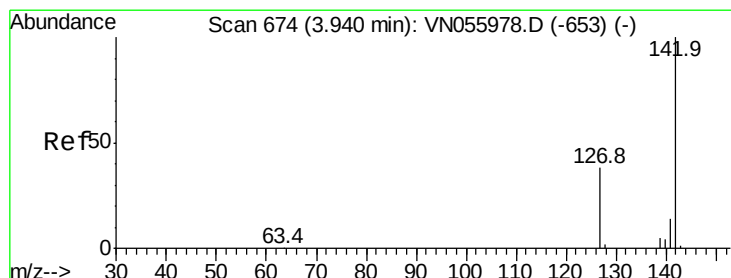
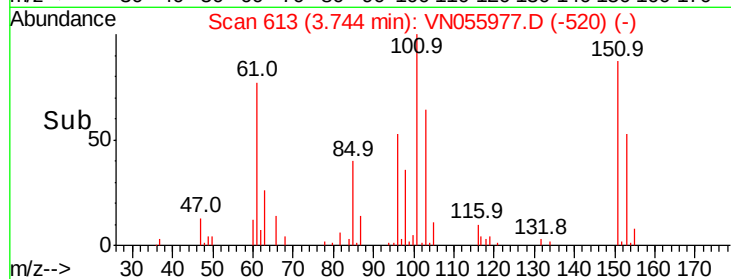
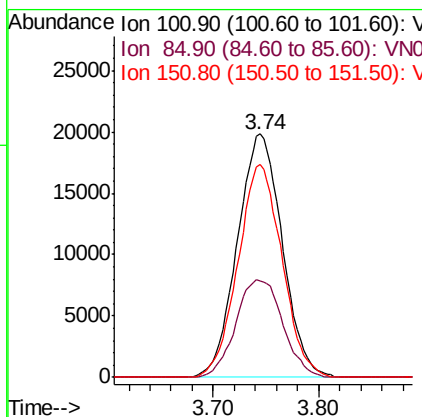
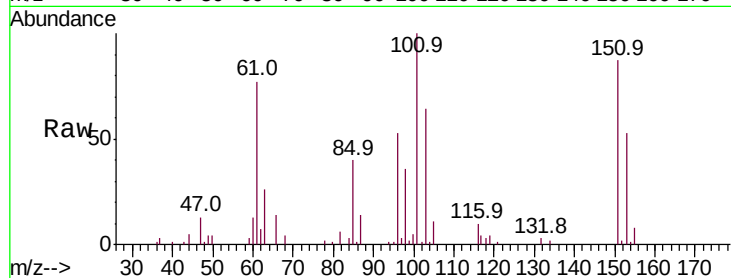
ClientSampled :

VSTDIC020

Tot Ion:	101	Resp:	58611
Ion Ratio	Lower	Upper	
101	100		
85	41.9	33.4	50.2
151	85.8	69.4	104.2

Manual Integrations
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#10

Methyl Iodide

Concen: 21.427 ug/l

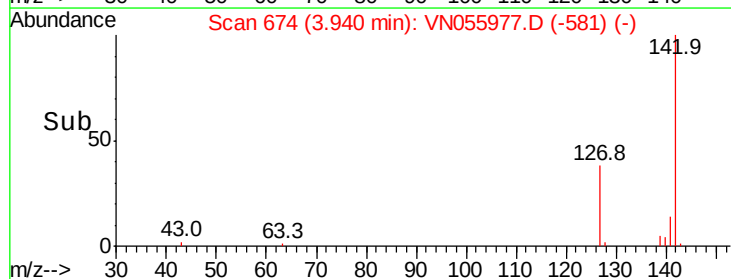
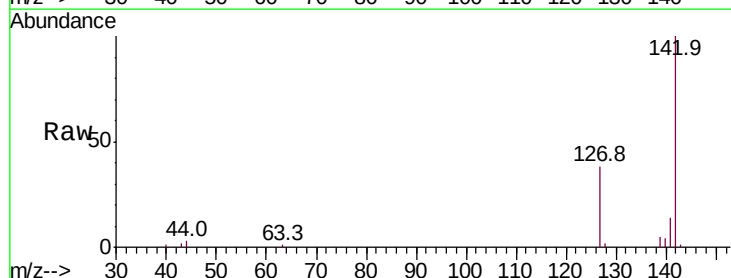
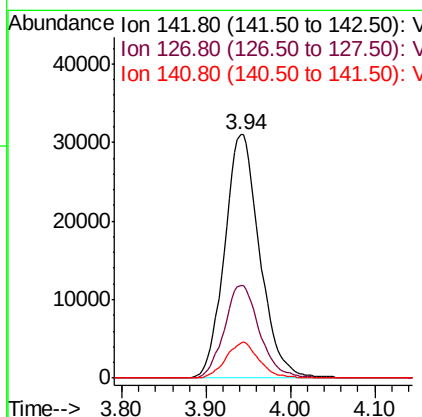
RT: 3.94 min Scan# 674

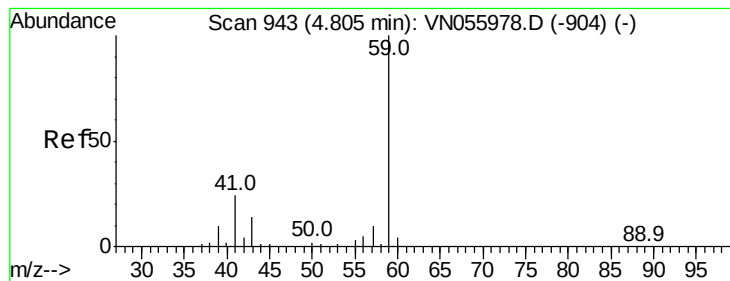
Delta R.T. -0.00 min

Lab File: VN055977.D

Acq: 4 Jun 2019 9:12

Tgt Ion:	142	Resp:	89611
Ion Ratio	Lower	Upper	
142	100		
127	38.1	31.0	46.4
141	13.9	11.4	17.0





#11

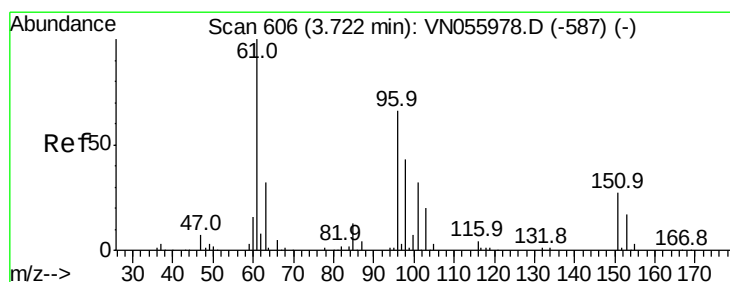
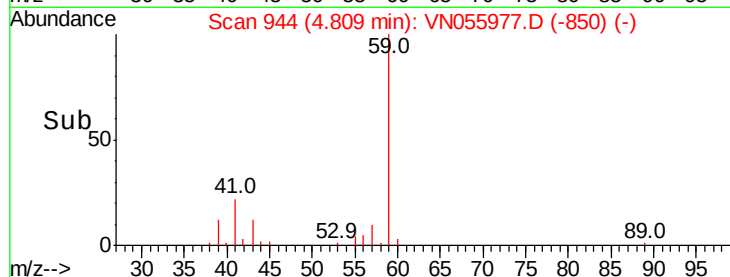
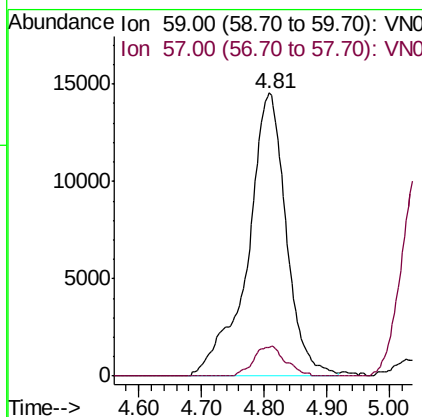
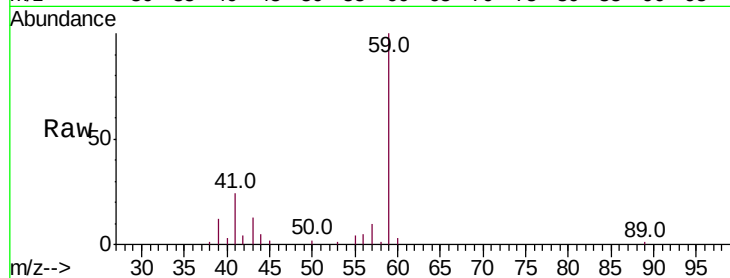
Tert butyl alcohol
 Concen: 108.575 ug/l
 RT: 4.81 min Scan# 944
 Delta R.T. 0.00 min
 Lab File: VN055977.D
 Acq: 4 Jun 2019 9:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	59	57	Ratio	100	8.7	Resp	62058	Lower	7.8	Upper	11.6
Ion	59	57	Ratio	100	8.7	Resp	62058	Lower	7.8	Upper	11.6

Manual Integrations
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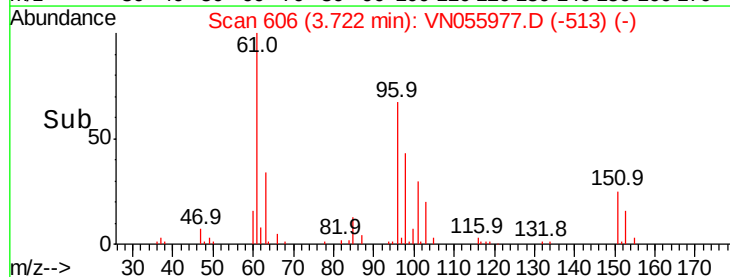
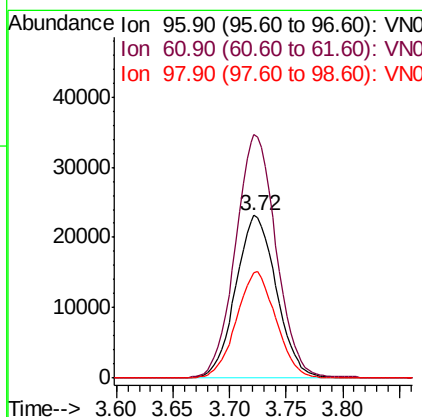
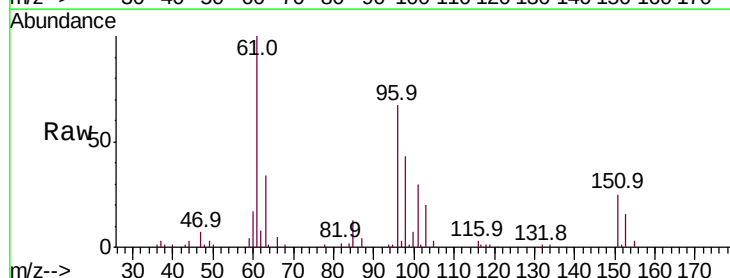
MMDadoda
 6/5/2019 4:03:30 PM

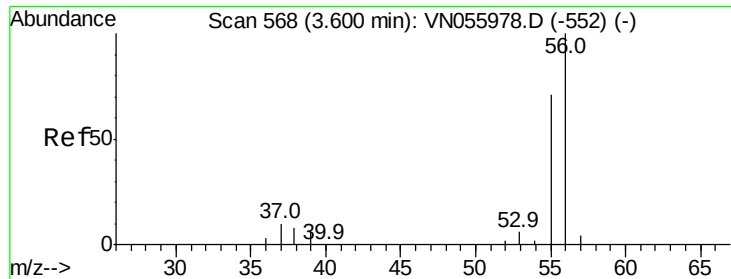


#12

1,1-Dichloroethene
 Concen: 21.540 ug/l
 RT: 3.72 min Scan# 606
 Delta R.T. -0.00 min
 Lab File: VN055977.D
 Acq: 4 Jun 2019 9:12

Tgt Ion	96	61	98	Ratio	100	149.7	65.0	Resp	57942	Lower	123.2	50.4	Upper	184.8	75.6
Ion	96	61	98	Ratio	100	149.7	65.0	Resp	57942	Lower	123.2	50.4	Upper	184.8	75.6





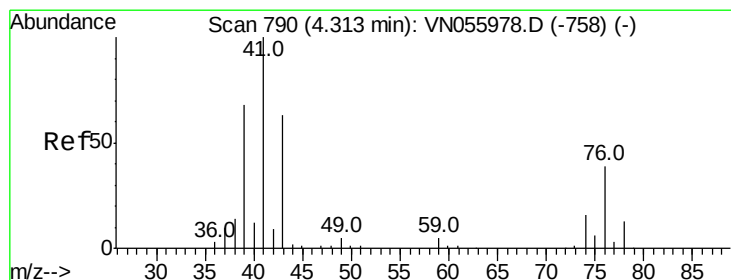
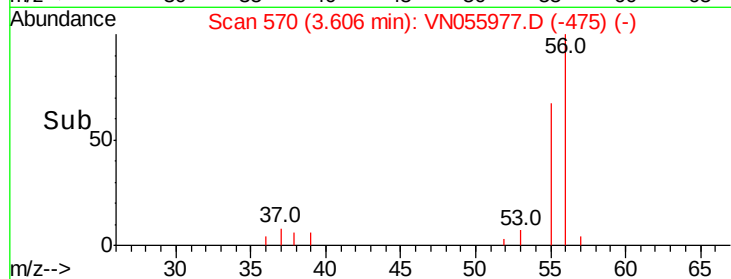
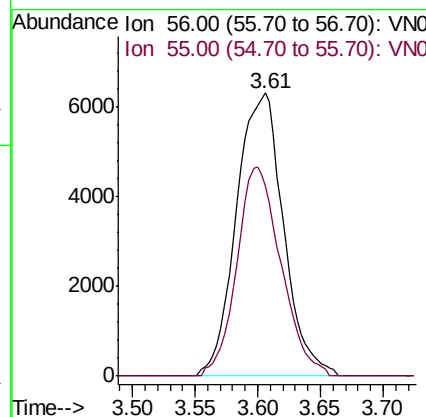
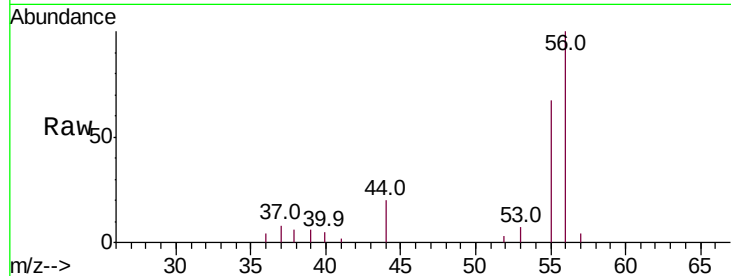
#13
Acrolein
Concen: 100.962 ug/l
RT: 3.61 min Scan# 570
Delta R.T. 0.01 min
Lab File: VN055977.D
Acq: 4 Jun 2019 9:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	56	Resp	16436
Ion Ratio	Lower	Upper	
56	100		
55	69.4	55.4	83.2

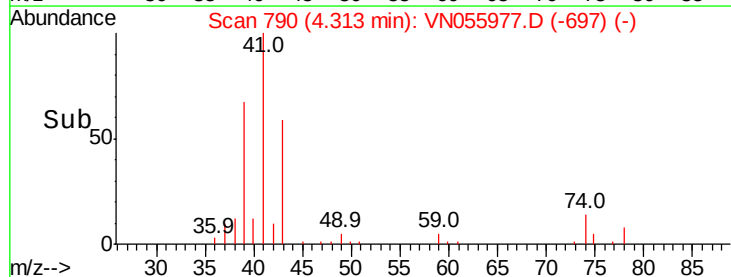
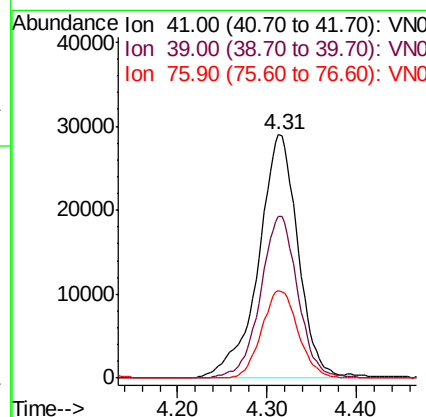
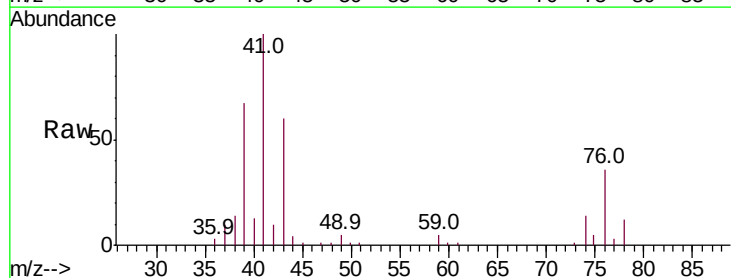
Manual Integrations
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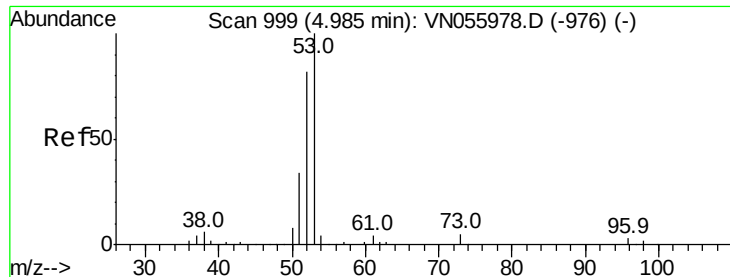
MMDadoda
6/5/2019 4:03:30 PM



#14
Allyl chloride
Concen: 21.177 ug/l
RT: 4.31 min Scan# 790
Delta R.T. -0.00 min
Lab File: VN055977.D
Acq: 4 Jun 2019 9:12

Tgt Ion	41	Resp	89188
Ion Ratio	Lower	Upper	
41	100		
39	63.1	50.0	75.0
76	33.2	28.2	42.2





#15

Acrylonitrile

Concen: 110.931 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN055977.D

Acq: 4 Jun 2019 9:12

Instrument :

MSVOA_N

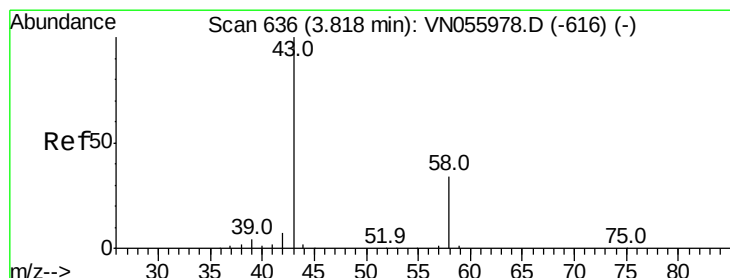
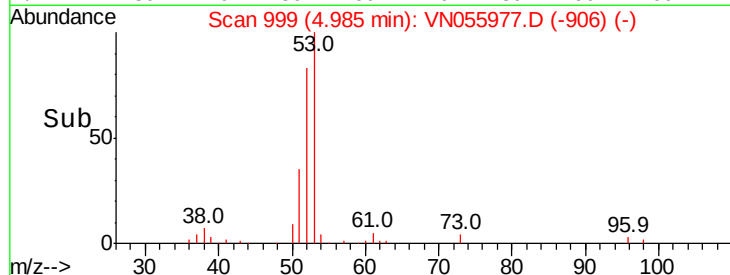
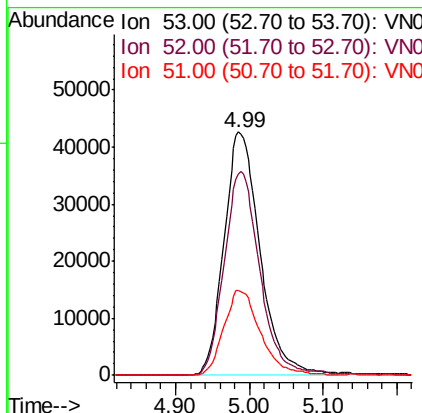
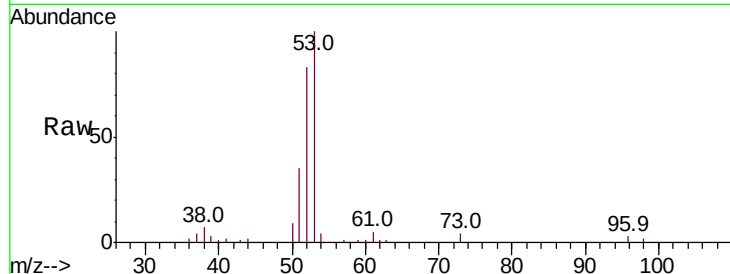
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	145334
Ion	Ratio	Lower	Upper
53	100		
52	82.0	65.8	98.8
51	35.5	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 104.938 ug/l

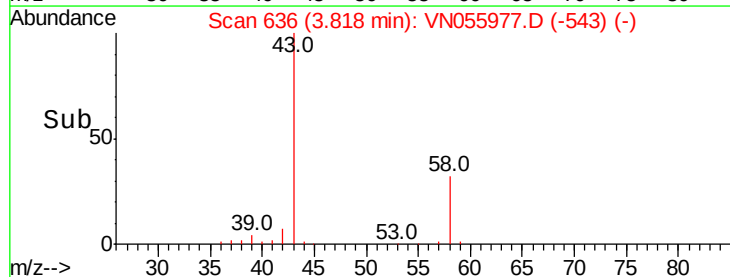
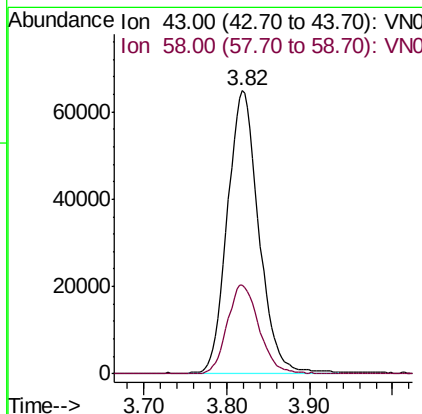
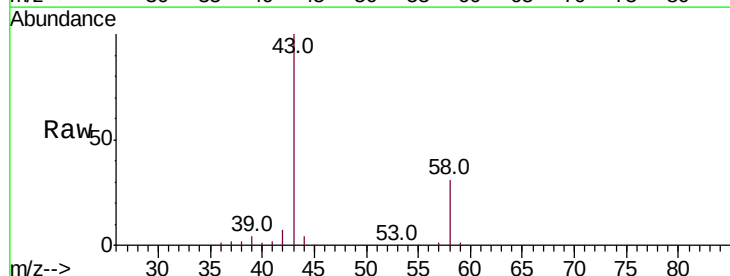
RT: 3.82 min Scan# 636

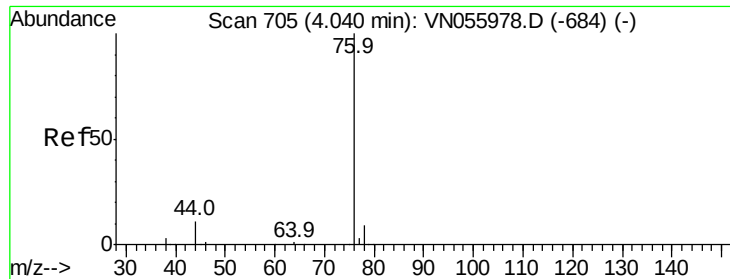
Delta R.T. -0.00 min

Lab File: VN055977.D

Acq: 4 Jun 2019 9:12

Tgt Ion:	43	Resp:	168748
Ion	Ratio	Lower	Upper
43	100		
58	31.6	26.6	39.8





#17

Carbon Disulfide

Concen: 22.276 ug/l

RT: 4.04 min Scan# 705

Delta R.T. -0.00 min

Lab File: VN055977.D

Acq: 4 Jun 2019 9:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 132065

Ion Ratio Lower Upper

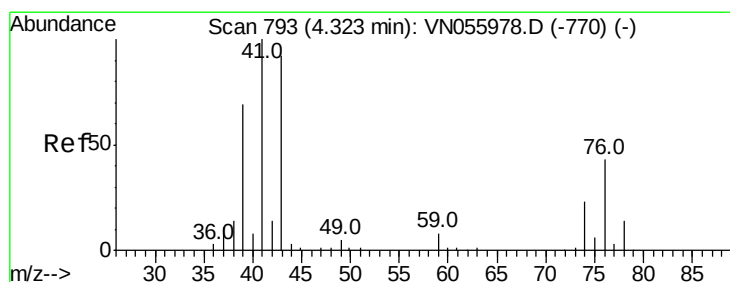
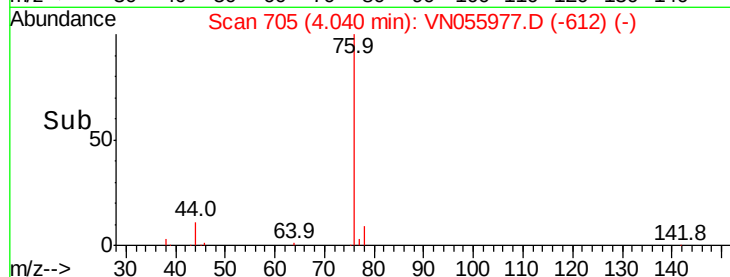
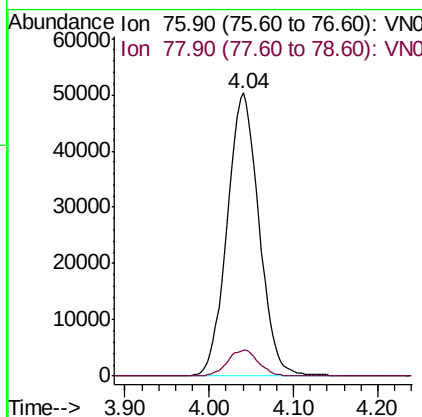
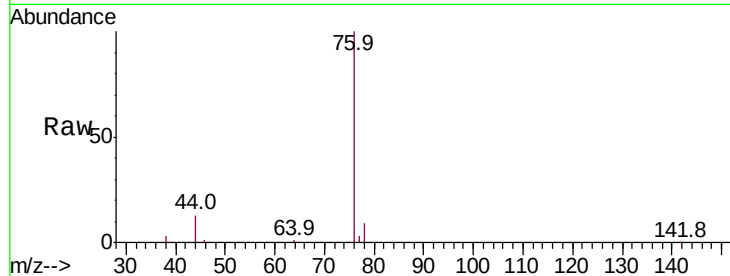
76 100

78 9.3 7.4 11.2

Manual Integrations
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#18

Methyl Acetate

Concen: 16.717 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN055977.D

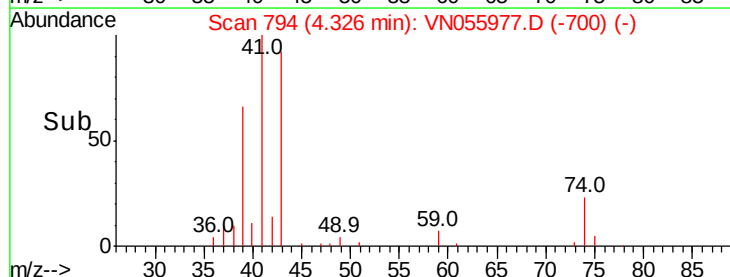
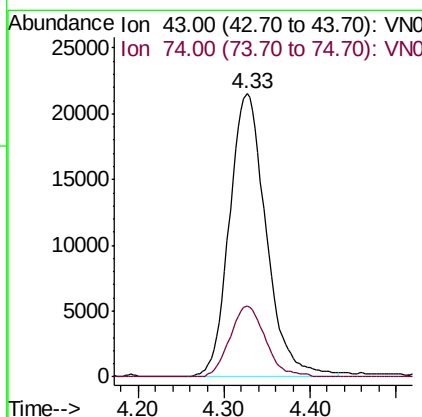
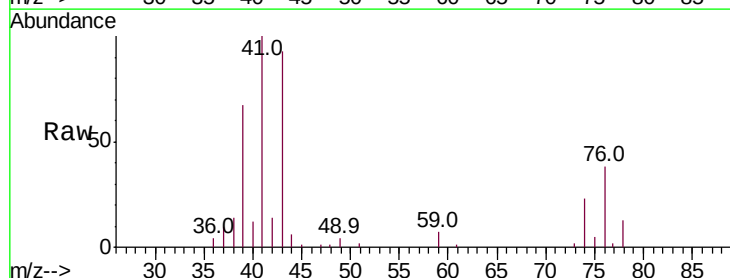
Acq: 4 Jun 2019 9:12

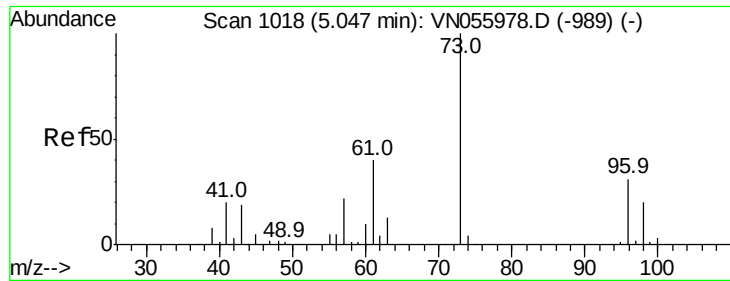
Tgt Ion: 43 Resp: 64023

Ion Ratio Lower Upper

43 100

74 24.1 19.3 28.9





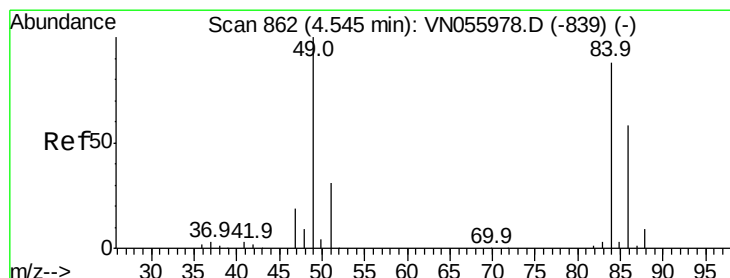
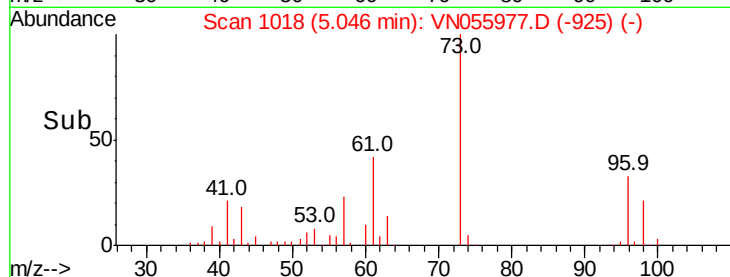
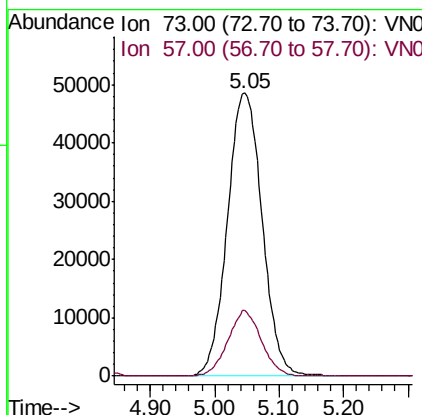
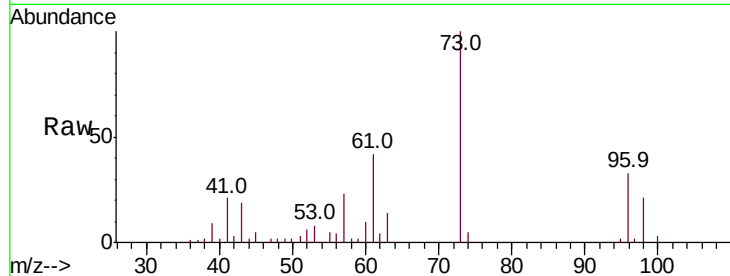
#19
Methyl tert-butyl Ether
Concen: 20.705 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN055977.D
Acq: 4 Jun 2019 9:12

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion: 73 Resp: 182037
Ion Ratio Lower Upper
73 100
57 23.0 17.8 26.8

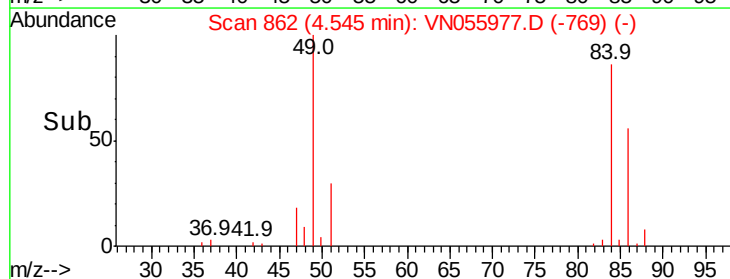
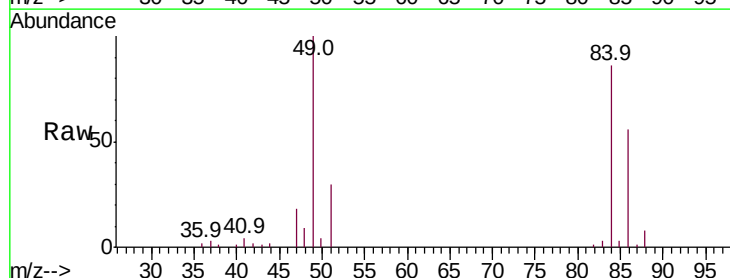
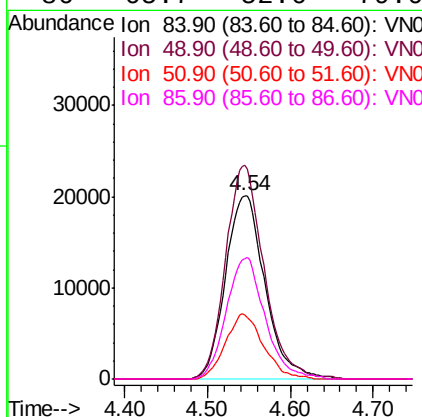
Manual Integrations
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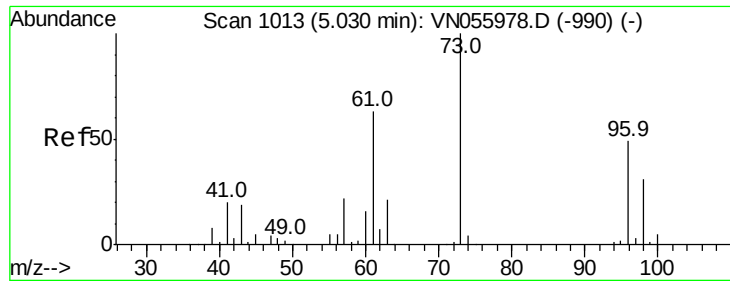
MMDadoda
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#20
Methylene Chloride
Concen: 20.430 ug/l
RT: 4.54 min Scan# 862
Delta R.T. -0.00 min
Lab File: VN055977.D
Acq: 4 Jun 2019 9:12

Tgt Ion: 84 Resp: 66584
Ion Ratio Lower Upper
84 100
49 116.3 93.5 140.3
51 34.8 28.6 43.0
86 65.7 52.6 79.0





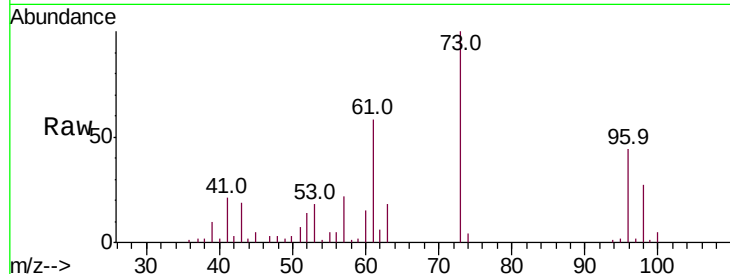
#21
trans-1,2-Dichloroethene
Concen: 20.980 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VN055977.D
Acq: 4 Jun 2019 9:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	132.4	107.8	161.8
98	62.4	49.8	74.8

Manual Integrations
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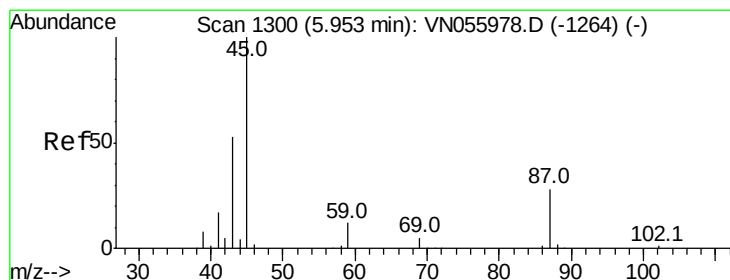
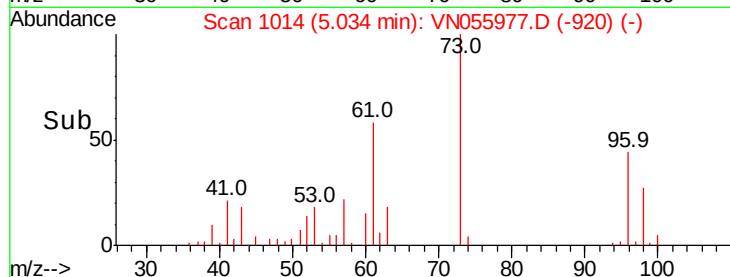
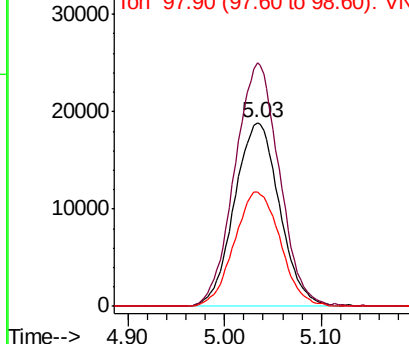


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22
Diisopropyl ether
Concen: 20.402 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN055977.D
Acq: 4 Jun 2019 9:12

Tgt Ion	Ratio	Lower	Upper
45	100		
43	61.5	45.0	67.6
87	30.0	22.2	33.4
59	12.2	9.1	13.7

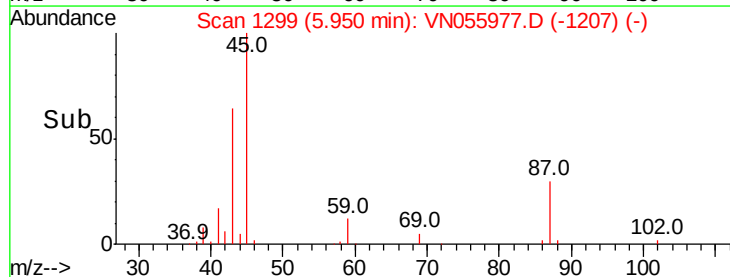
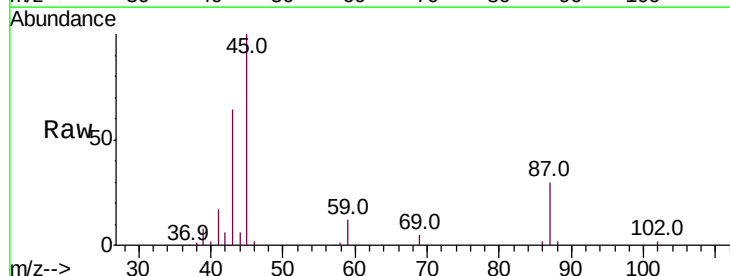
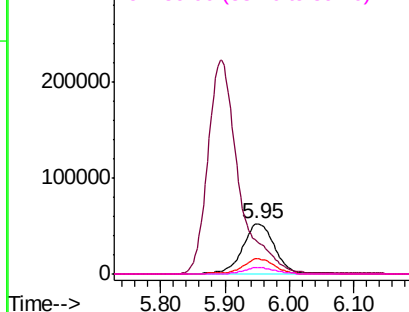
Abundance

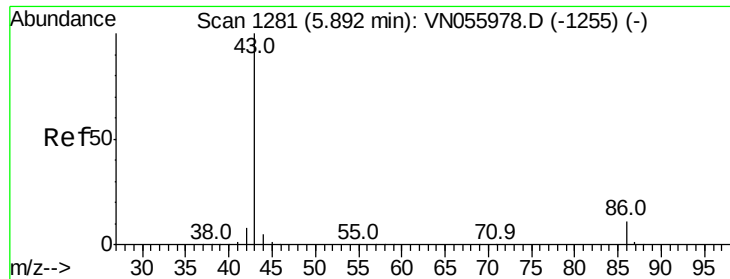
Ion 45.00 (44.70 to 45.70): VN0

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





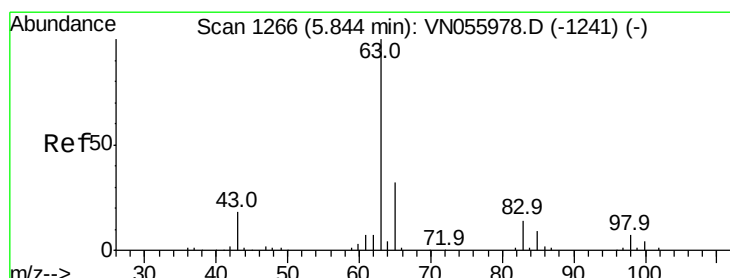
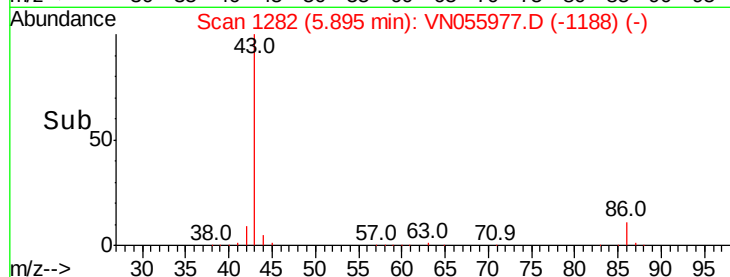
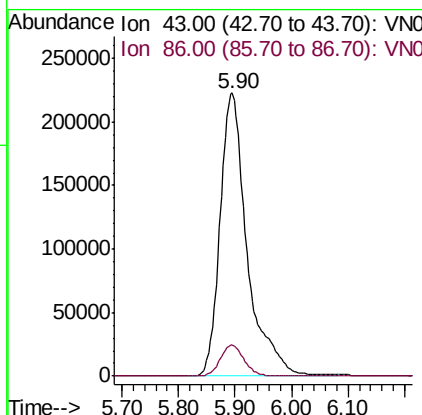
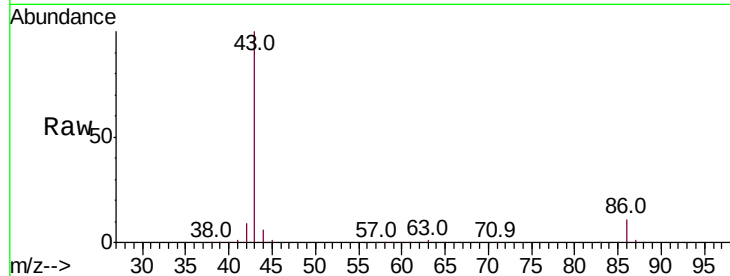
#23
 Vinyl Acetate
 Concen: 112.784 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN055977.D
 Acq: 4 Jun 2019 9:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
86	11.0	8.6	13.0

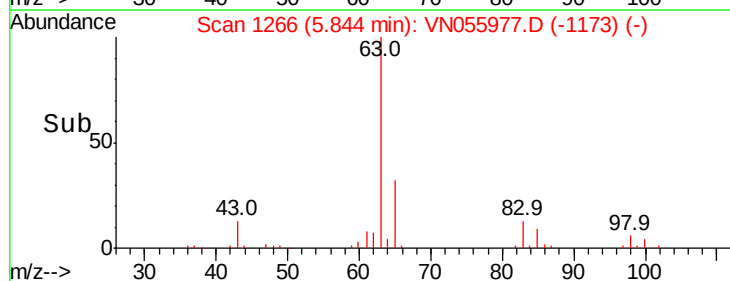
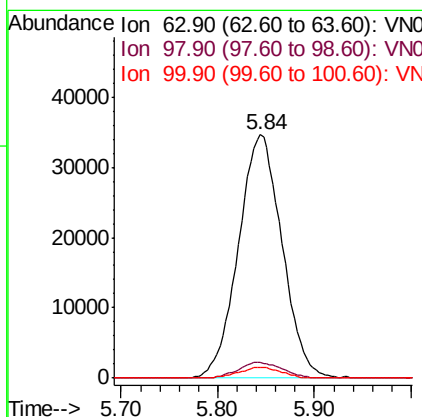
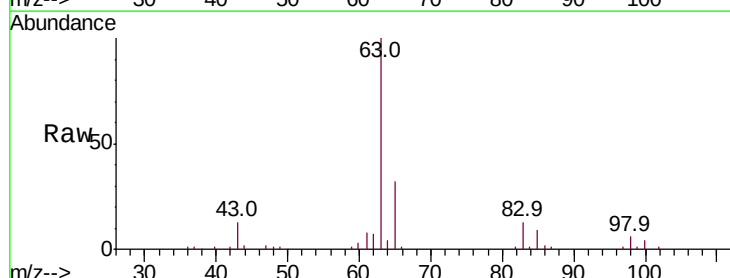
Manual Integrations
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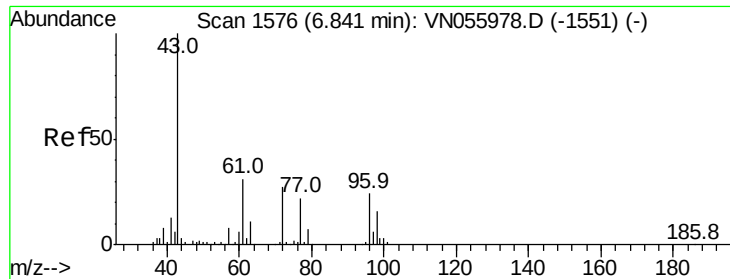
MMDadoda
 6/5/2019 4:03:30 PM



#24
 1,1-Dichloroethane
 Concen: 20.840 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. -0.00 min
 Lab File: VN055977.D
 Acq: 4 Jun 2019 9:12

Tgt Ion	Ratio	Lower	Upper
63	100		
98	6.4	3.4	10.1
100	4.4	2.2	6.6





#25

2-Butanone

Concen: 110.082 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. -0.00 min

Lab File: VN055977.D

Acq: 4 Jun 2019 9:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 209409

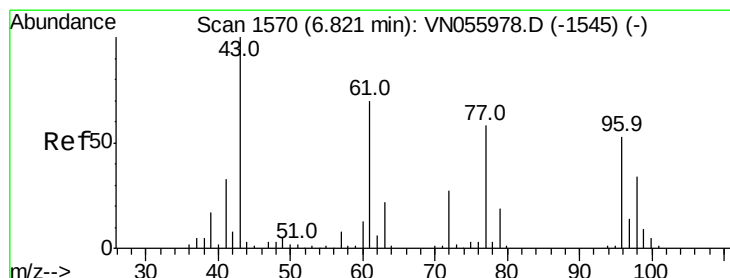
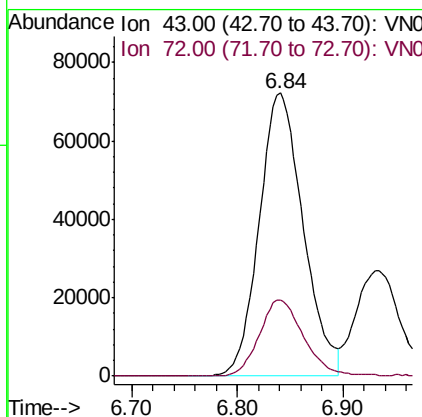
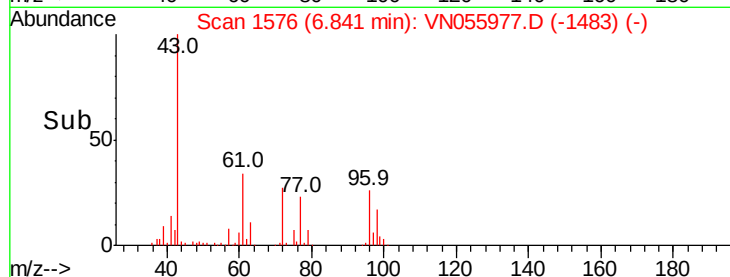
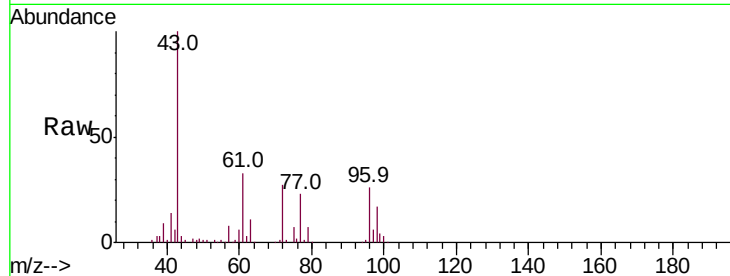
Ion Ratio Lower Upper

43 100

72 26.8 21.9 32.9

Manual Integrations
APPROVED

MMDadoda
6/5/2019 4:03:30 PM



#26

2,2-Dichloropropane

Concen: 20.587 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. -0.00 min

Lab File: VN055977.D

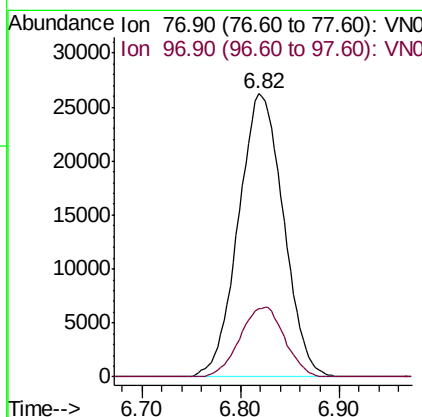
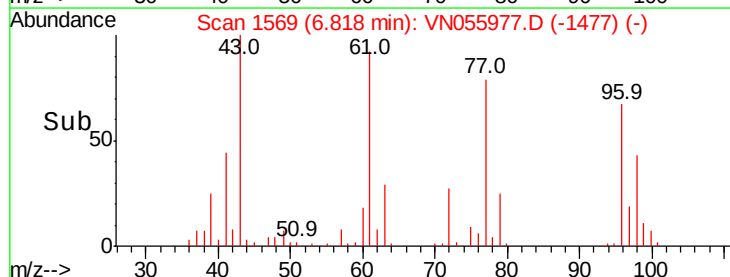
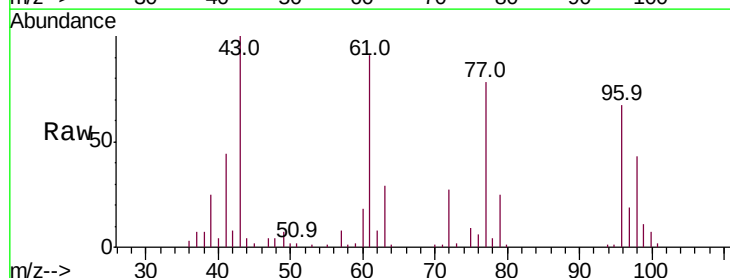
Acq: 4 Jun 2019 9:12

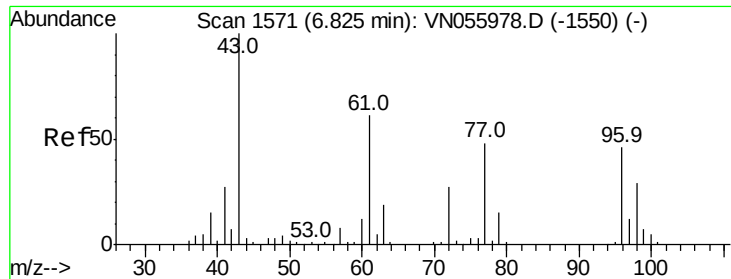
Tgt Ion: 77 Resp: 82812

Ion Ratio Lower Upper

77 100

97 24.4 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 20.857 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN055977.D

Acq: 4 Jun 2019 9:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 96 Resp: 72174

Ion Ratio Lower Upper

96 100

61 133.0 0.0 275.8

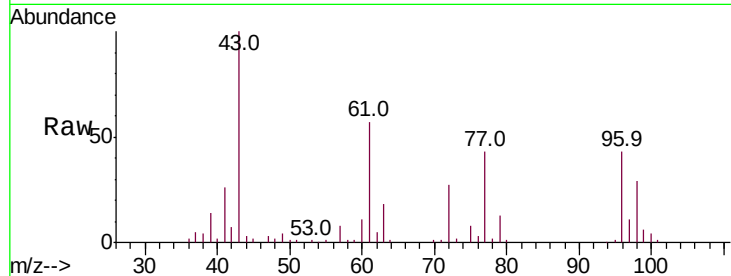
98 63.7 0.0 128.4

Manual Integrations

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MMDadoda

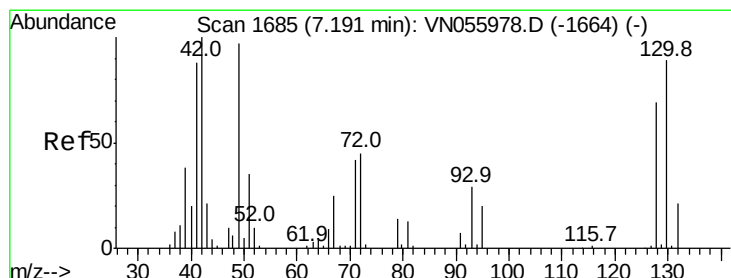
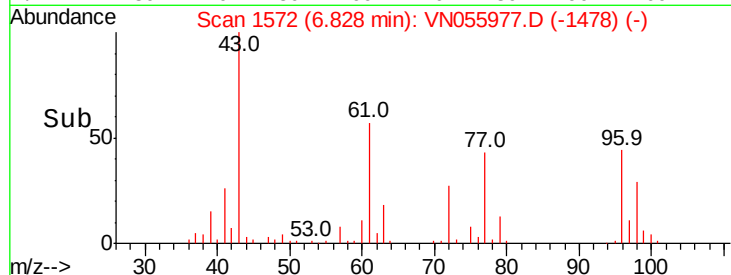
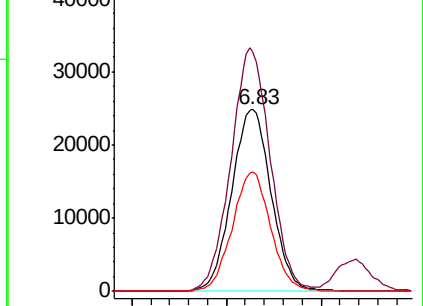
6/5/2019 4:03:30 PM



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 21.470 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VN055977.D

Acq: 4 Jun 2019 9:12

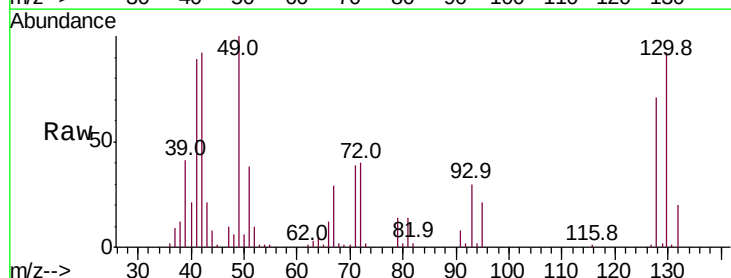
Tgt Ion: 49 Resp: 52164

Ion Ratio Lower Upper

49 100

129 1.0 0.0 4.4

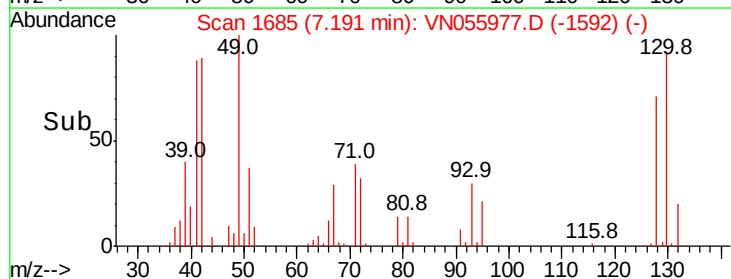
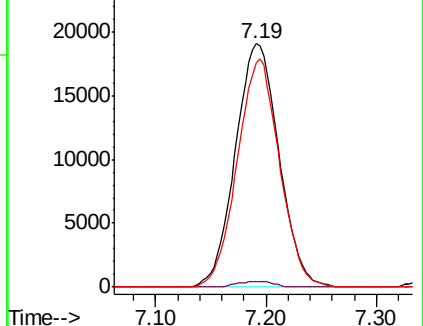
130 90.9 71.2 106.8

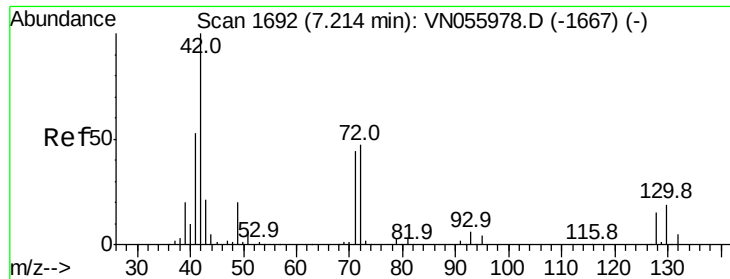


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





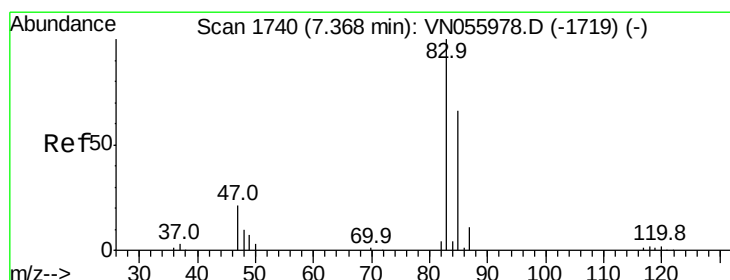
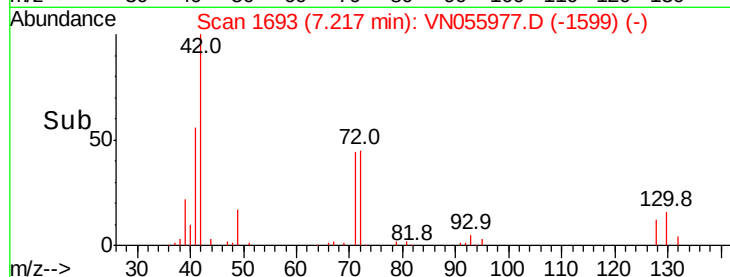
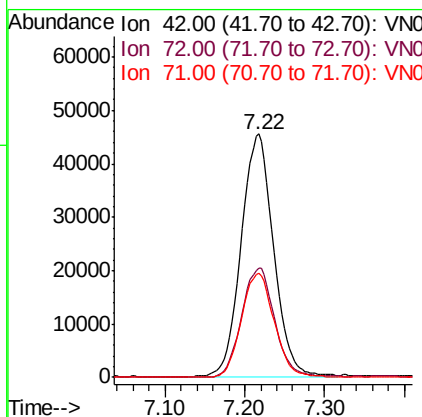
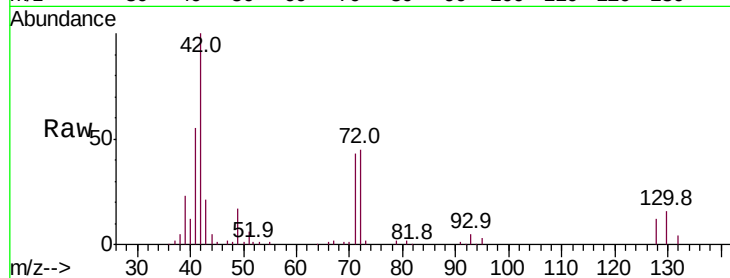
#29
Tetrahydrofuran
Concen: 106.151 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN055977.D
Acq: 4 Jun 2019 9:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.4	35.9	53.9
71	42.9	34.0	51.0

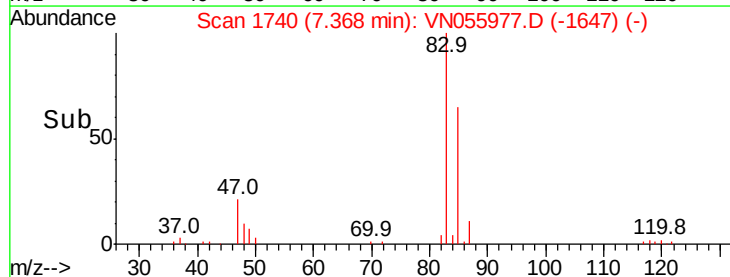
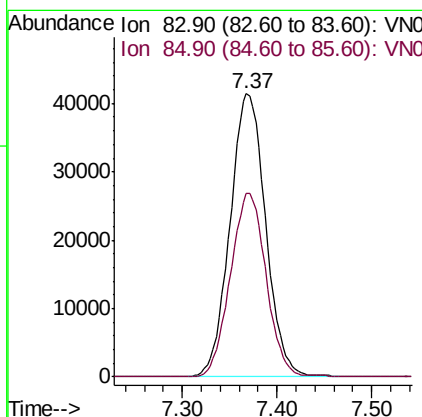
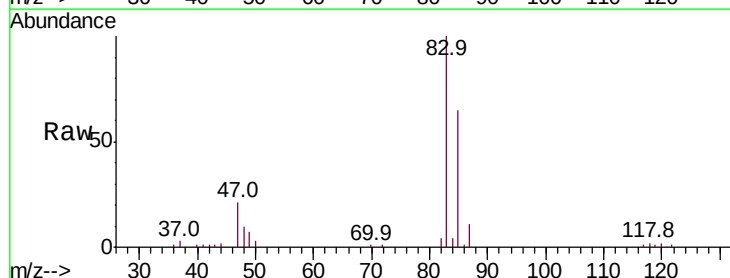
Manual Integrations
APPROVED

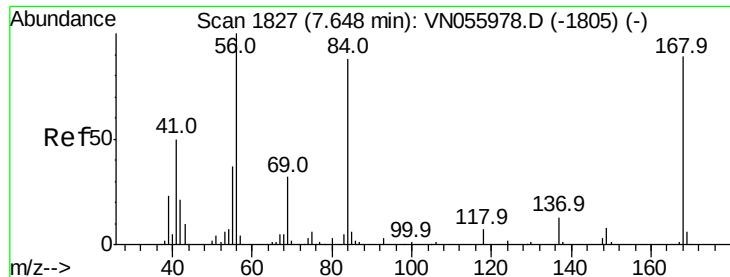
MMDadoda
6/5/2019 4:03:30 PM



#30
Chloroform
Concen: 20.761 ug/l
RT: 7.37 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VN055977.D
Acq: 4 Jun 2019 9:12

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.8	77.8





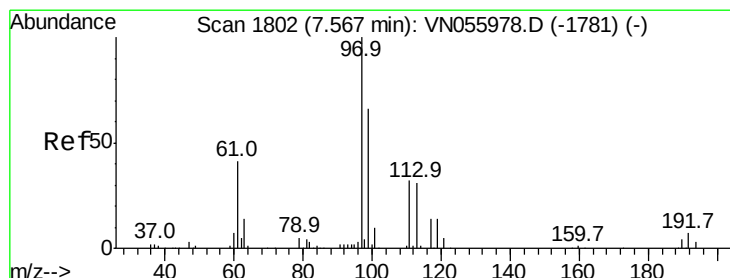
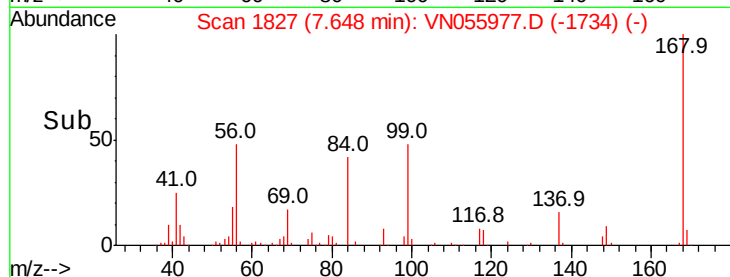
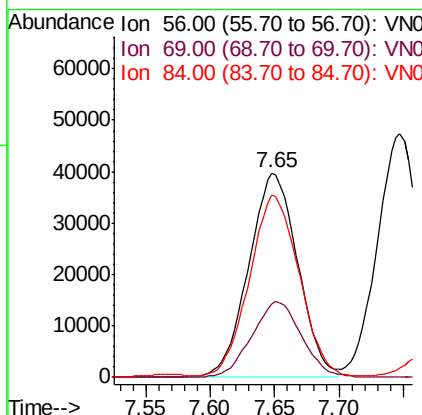
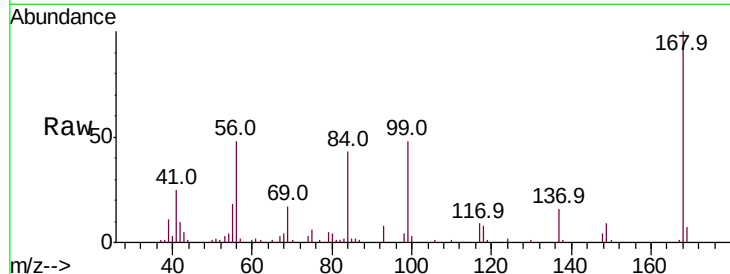
#31
Cyclohexane
Concen: 19.051 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. -0.00 min
Lab File: VN055977.D
Acq: 4 Jun 2019 9:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.1	25.6	38.4
84	88.1	67.4	101.0

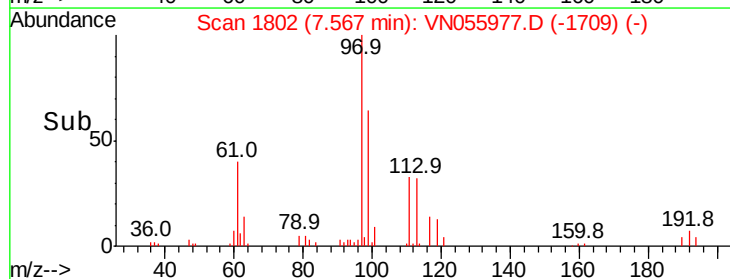
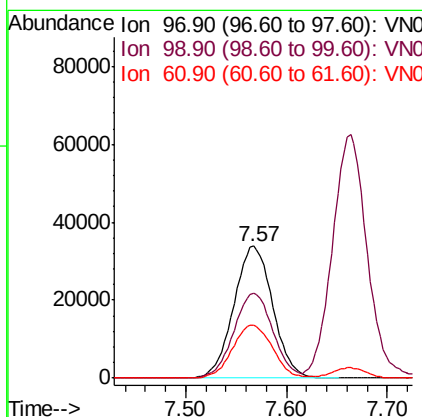
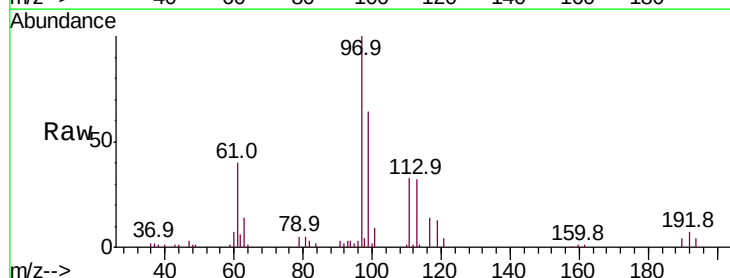
Manual Integrations
APPROVED

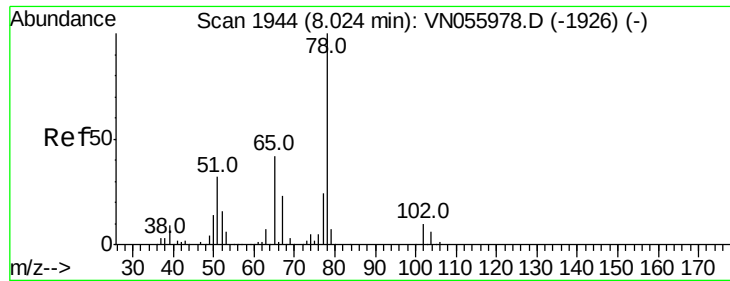
MMDadoda
6/5/2019 4:03:30 PM



#32
1,1,1-Trichloroethane
Concen: 21.422 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN055977.D
Acq: 4 Jun 2019 9:12

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	52.0	78.0
61	41.0	32.9	49.3





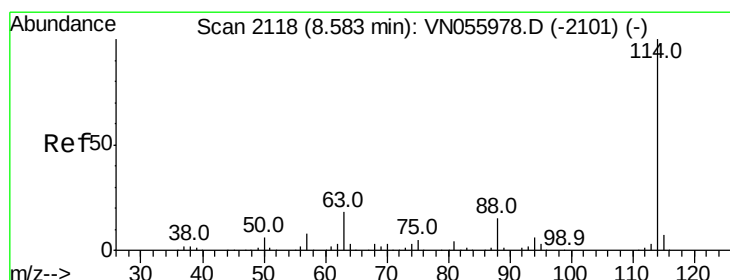
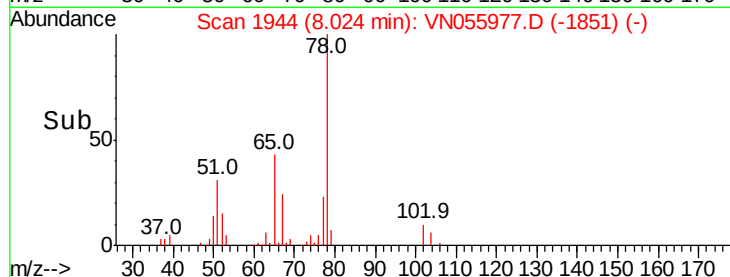
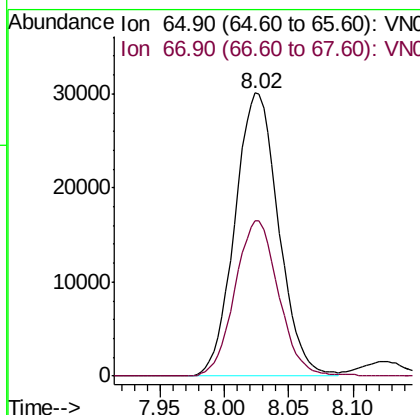
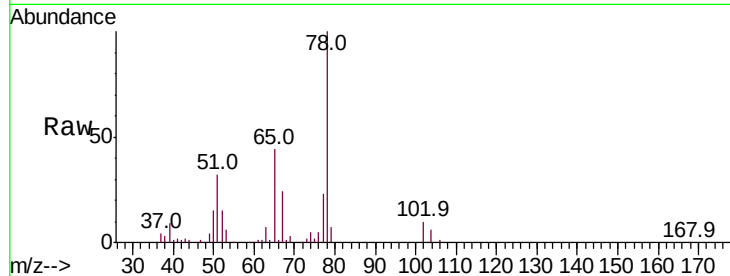
#33
 1,2-Dichloroethane-d4
 Concen: 21.221 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN055977.D
 Acq: 4 Jun 2019 9:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.7	0.0	109.2

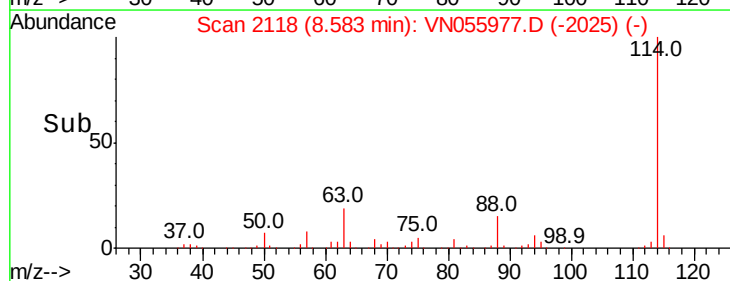
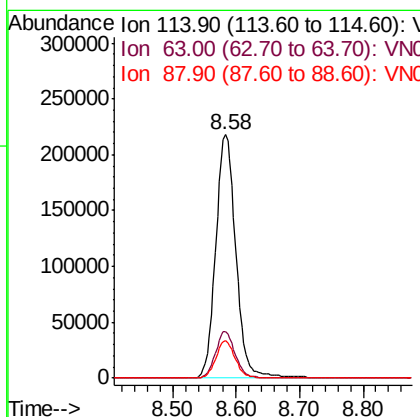
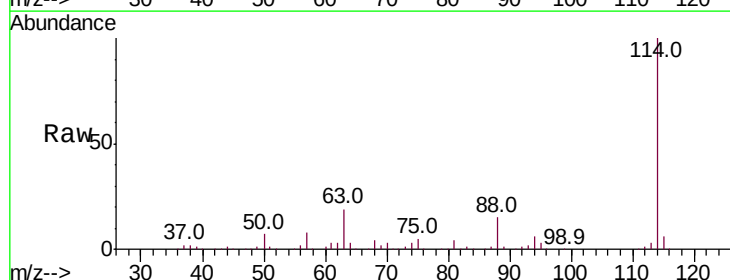
Manual Integrations
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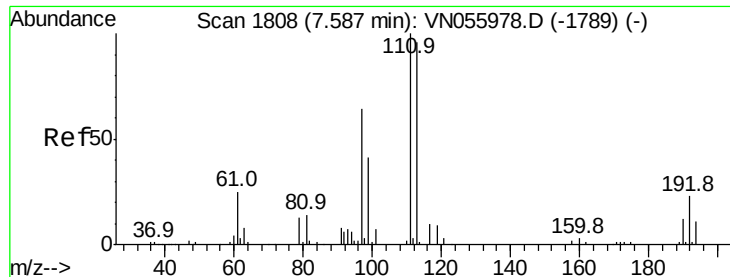
MMDadoda
 6/5/2019 4:03:30 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN055977.D
 Acq: 4 Jun 2019 9:12

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.2	0.0	39.2
88	15.2	0.0	31.0





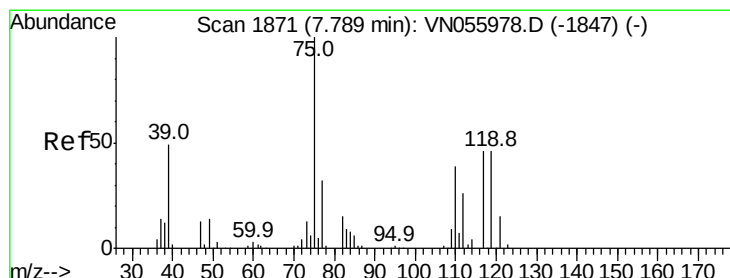
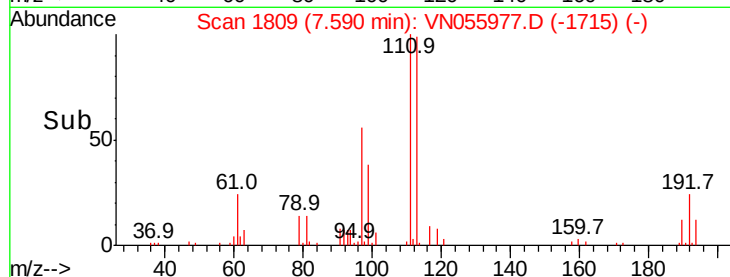
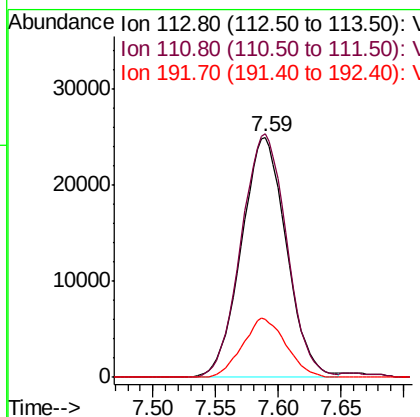
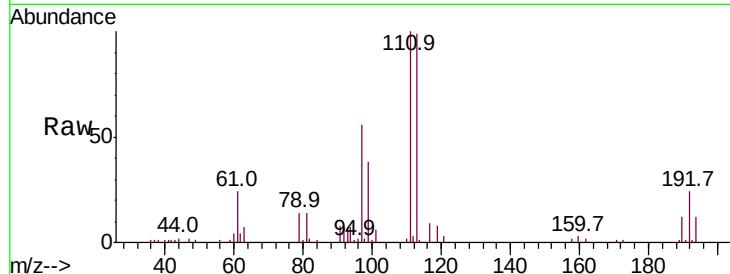
#35
 Dibromofluoromethane
 Concen: 21.254 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN055977.D
 Acq: 4 Jun 2019 9:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.9	122.9
192	23.8	19.5	29.3

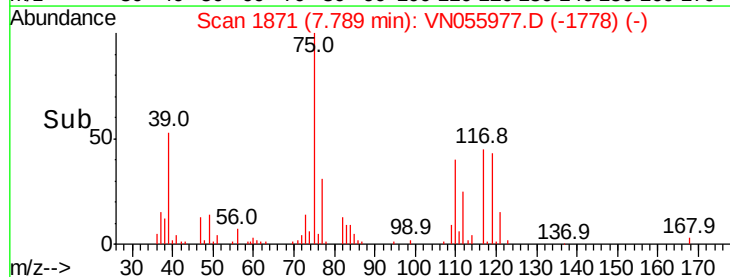
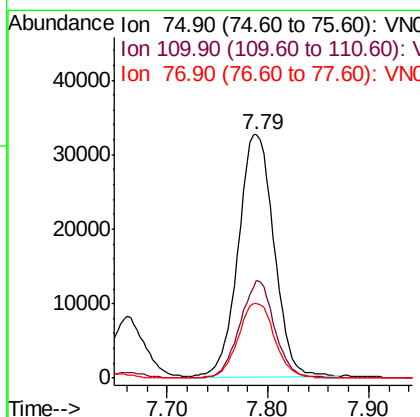
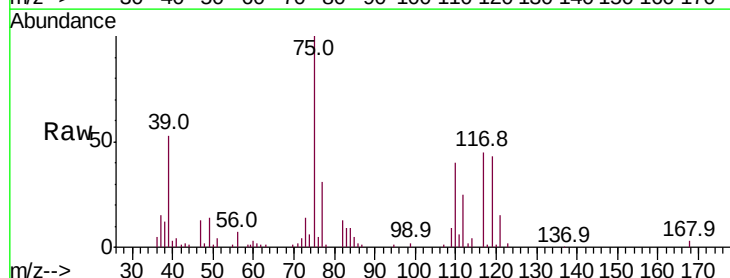
Manual Integrations
 APPROVED

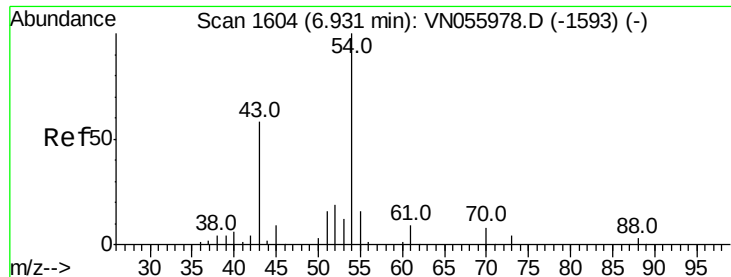
MMDadoda
 6/5/2019 4:03:30 PM



#36
 1,1-Dichloropropene
 Concen: 19.141 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN055977.D
 Acq: 4 Jun 2019 9:12

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.9	19.0	57.0
77	31.6	25.1	37.7





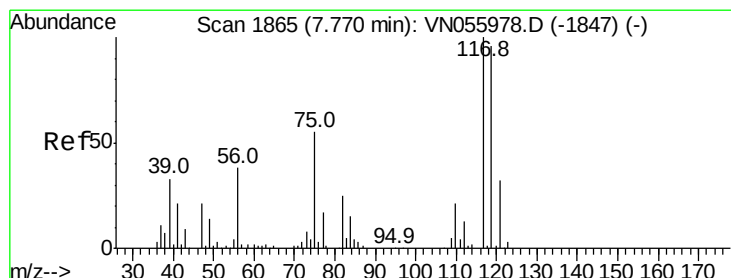
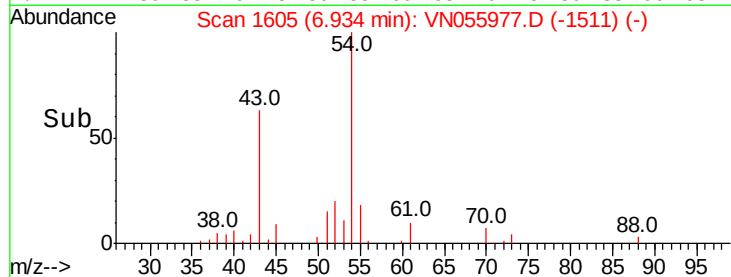
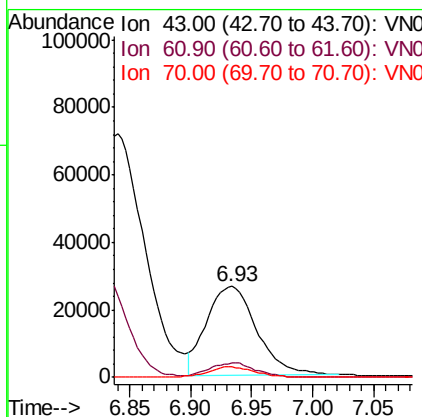
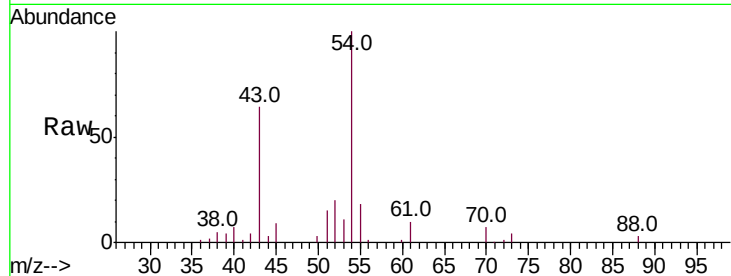
#37
Ethyl Acetate
Concen: 21.813 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN055977.D
Acq: 4 Jun 2019 9:12

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.3	12.2	18.2
70	11.1	8.9	13.3

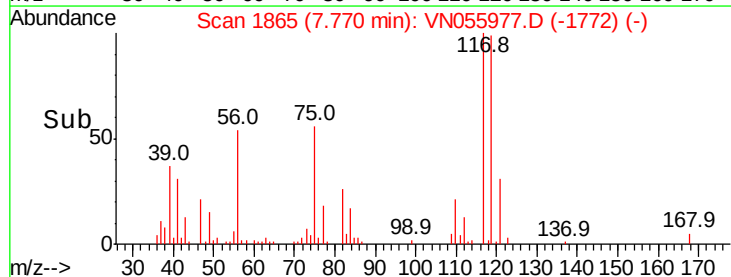
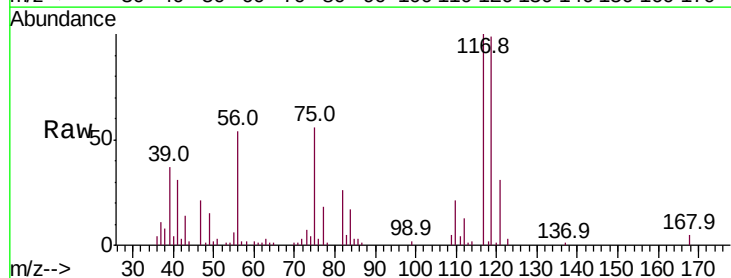
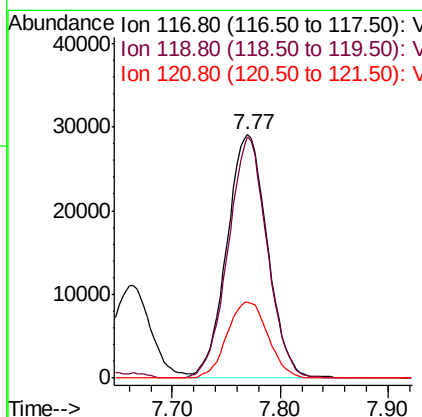
Manual Integrations
APPROVED

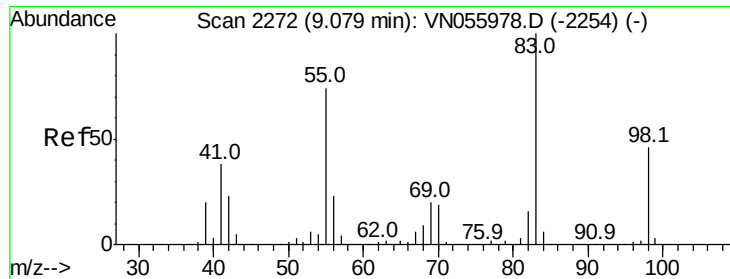
MMDadoda
6/5/2019 4:03:30 PM



#38
Carbon Tetrachloride
Concen: 20.568 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN055977.D
Acq: 4 Jun 2019 9:12

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.9	79.0	118.6
121	31.3	24.7	37.1





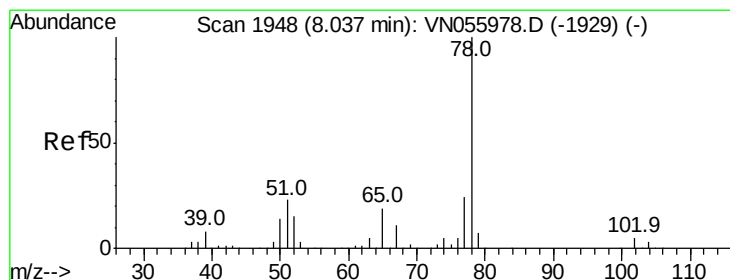
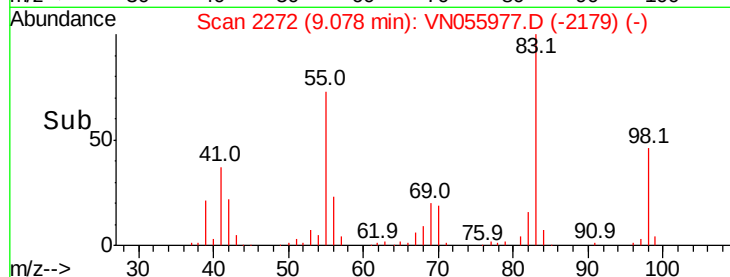
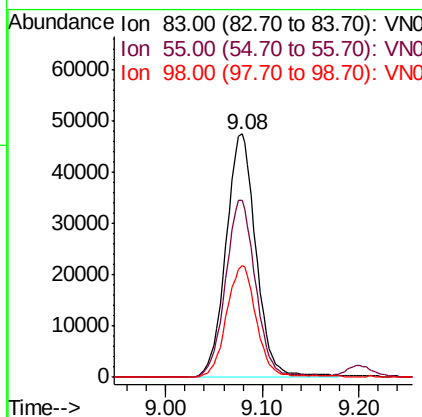
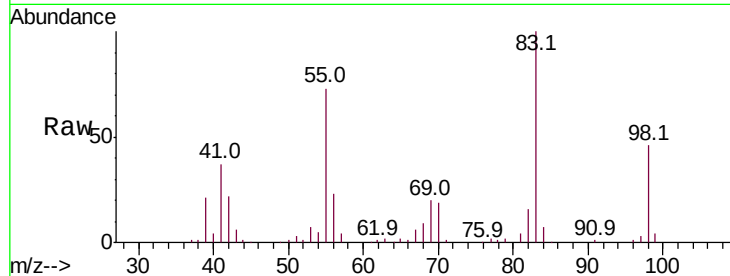
#39
Methylvlcyclohexane
Concen: 20.174 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN055977.D
Acq: 4 Jun 2019 9:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	83	Resp	102569
Ion Ratio	100	Lower	Upper
83	100		
55	72.6	59.3	88.9
98	46.1	36.6	54.8

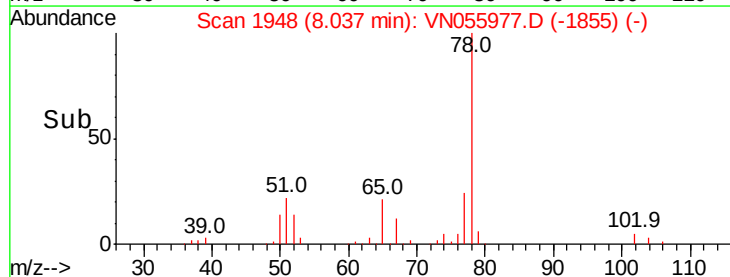
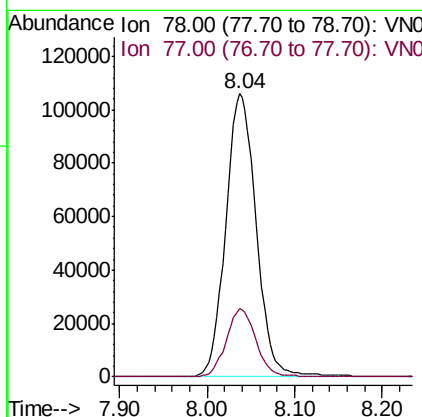
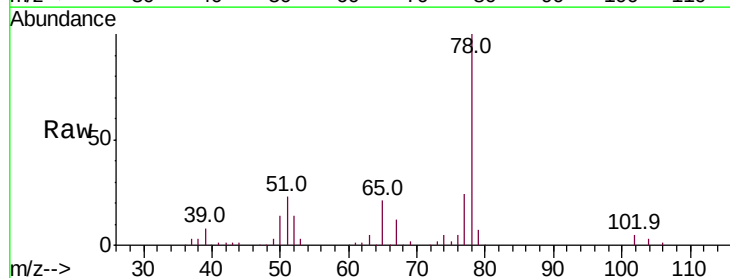
Manual Integrations
APPROVED

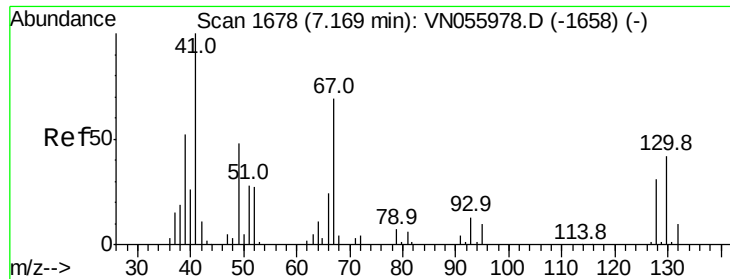
MMDadoda
6/5/2019 4:03:30 PM



#40
Benzene
Concen: 20.560 ug/l
RT: 8.04 min Scan# 1948
Delta R.T. -0.00 min
Lab File: VN055977.D
Acq: 4 Jun 2019 9:12

Tgt Ion	78	Resp	255739
Ion Ratio	100	Lower	Upper
78	100		
77	24.0	18.8	28.2





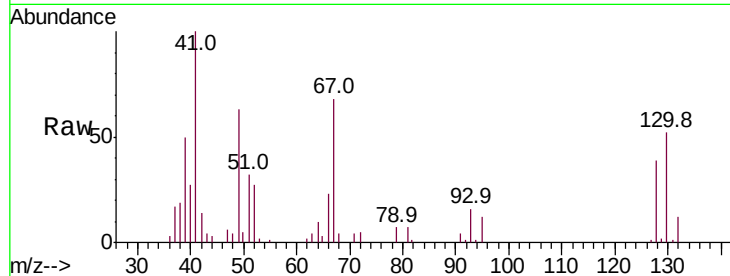
#41
Methacrylonitrile
Concen: 21.260 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN055977.D
Acq: 4 Jun 2019 9:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
41	100		
39	65.5	45.6	68.4
67	93.7	67.7	101.5
52	36.3	26.6	40.0

Manual Integrations
APPROVED

MMDadoda
6/5/2019 4:03:30 PM



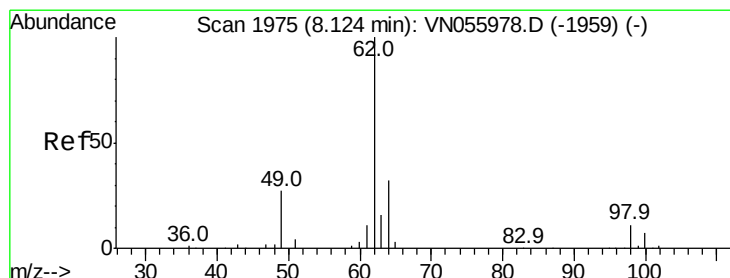
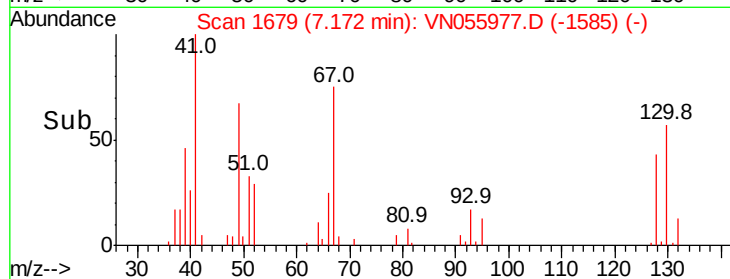
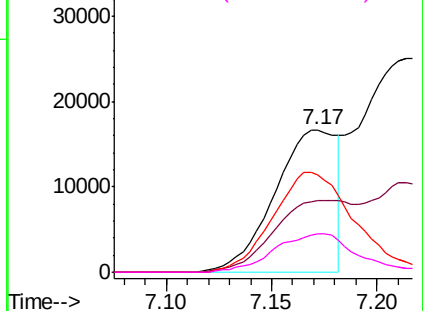
Abundance

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

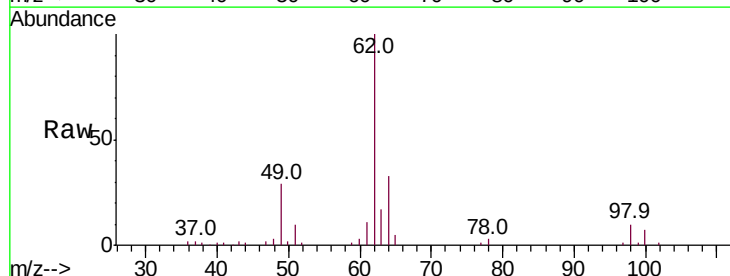
Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#42
1,2-Dichloroethane
Concen: 20.095 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN055977.D
Acq: 4 Jun 2019 9:12

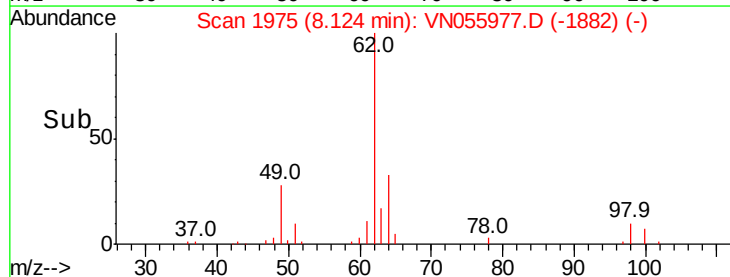
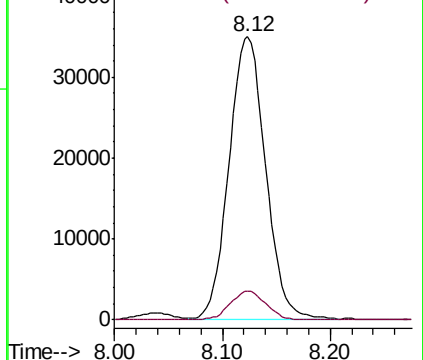
Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	20.2

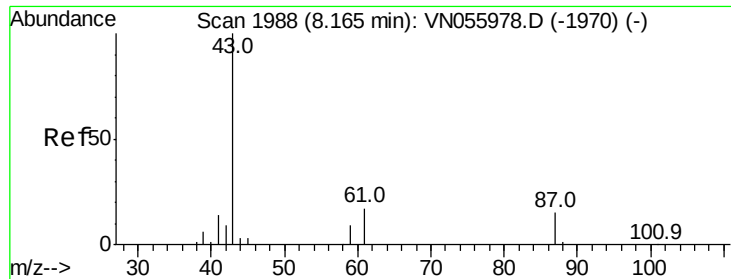


Abundance

Ion 61.90 (61.60 to 62.60): VNO

Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 21.262 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN055977.D

Acq: 4 Jun 2019 9:12

Instrument :

MSVOA_N

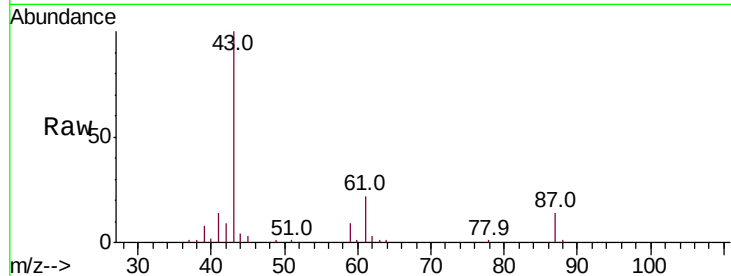
ClientSampleId :

VSTDIC020

Tot Ion:	43	Resp:	118976
Ion	Ratio	Lower	Upper
43	100		
61	28.5	22.2	33.4
87	14.2	11.4	17.2

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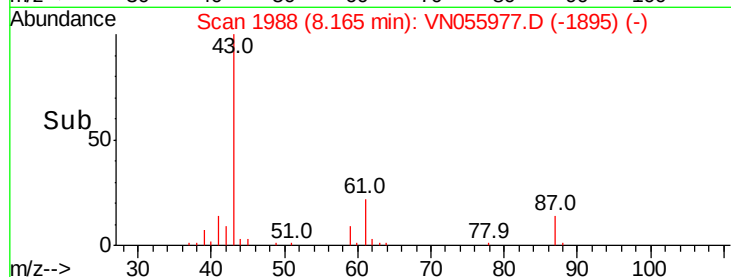


Abundance Ion 43.00 (42.70 to 43.70): VN055978.D (-1970) (-)

Ion 61.00 (60.70 to 61.70): VN055978.D (-1970) (-)

Ion 87.00 (86.70 to 87.70): VN055978.D (-1970) (-)

Time-->



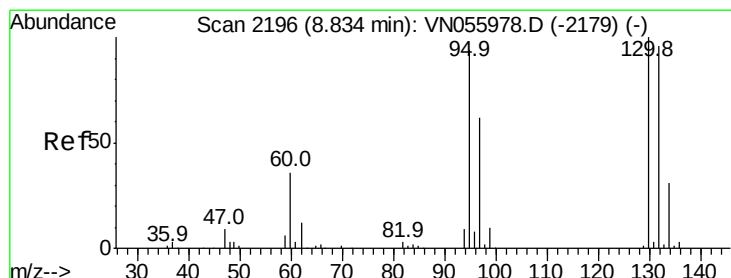
Abundance

Ion 43.00 (42.70 to 43.70): VN055978.D (-1970) (-)

Ion 61.00 (60.70 to 61.70): VN055978.D (-1970) (-)

Ion 87.00 (86.70 to 87.70): VN055978.D (-1970) (-)

Time-->



#44

Trichloroethene

Concen: 20.059 ug/l

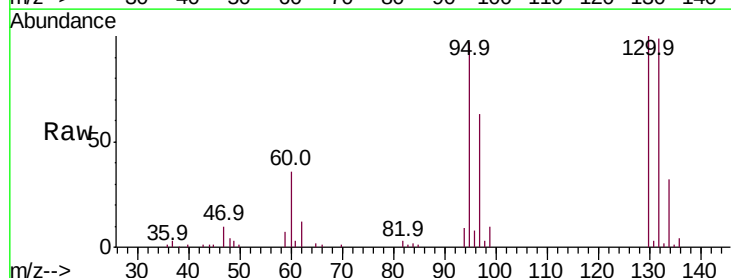
RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN055977.D

Acq: 4 Jun 2019 9:12

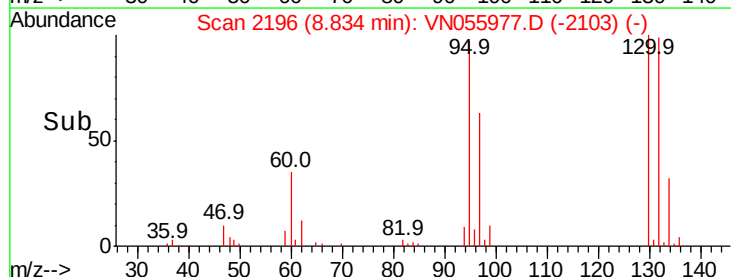
Tgt Ion:	130	Resp:	72310
Ion	Ratio	Lower	Upper
130	100		
95	97.0	0.0	188.0



Abundance Ion 129.80 (129.50 to 130.50): VN055978.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN055978.D (-2179) (-)

Time-->

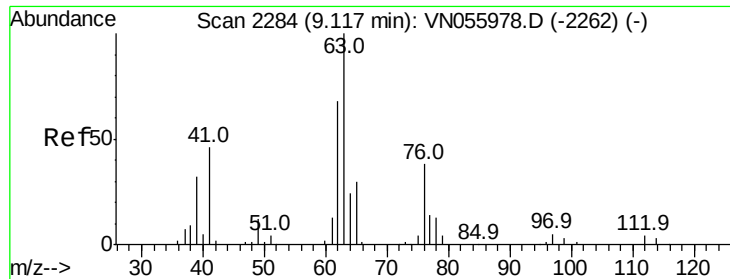


Abundance

Ion 129.80 (129.50 to 130.50): VN055978.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN055978.D (-2179) (-)

Time-->



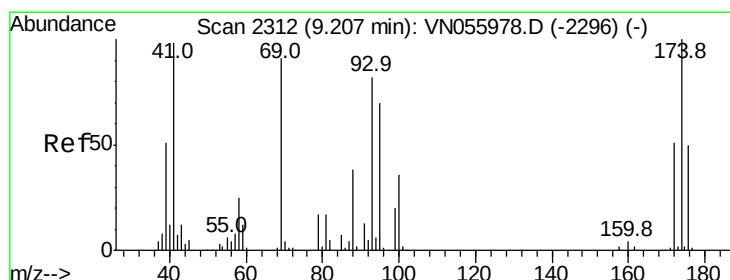
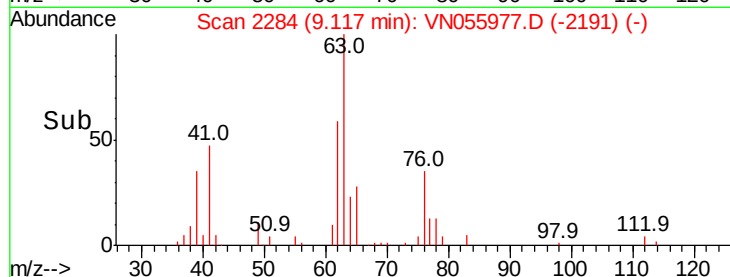
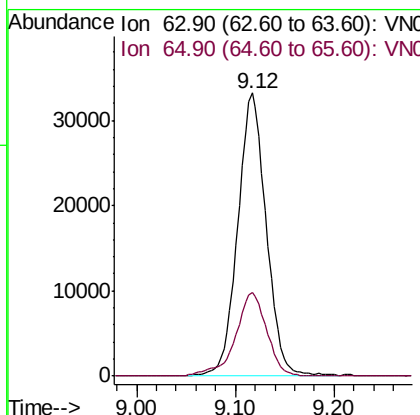
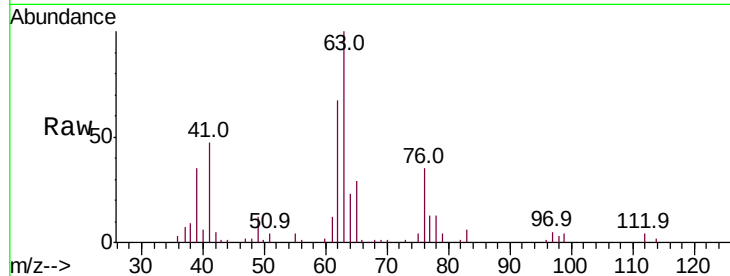
#45
 1,2-Dichloropropane
 Concen: 20.844 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN055977.D
 Acq: 4 Jun 2019 9:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.4	24.6	36.8

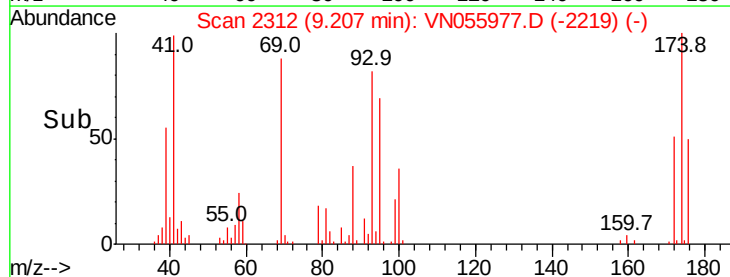
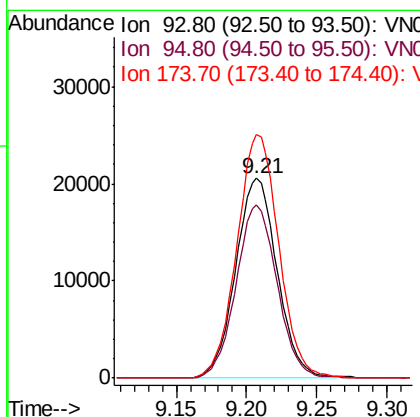
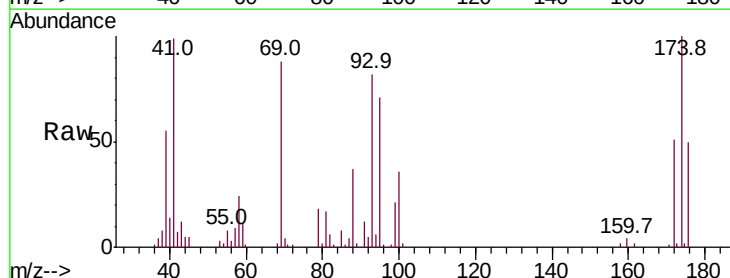
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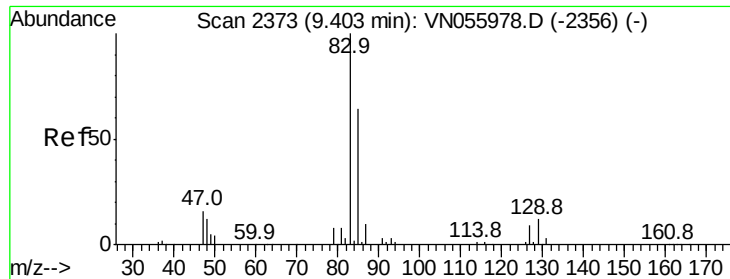
MMDadoda
 6/5/2019 4:03:30 PM



#46
 Dibromomethane
 Concen: 20.621 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN055977.D
 Acq: 4 Jun 2019 9:12

Tgt Ion	Ratio	Lower	Upper
93	100		
95	85.6	66.7	100.1
174	123.0	96.4	144.6





#47

Bromodichloromethane

Concen: 21.377 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN055977.D

Acq: 4 Jun 2019 9:12

Instrument :

MSVOA_N

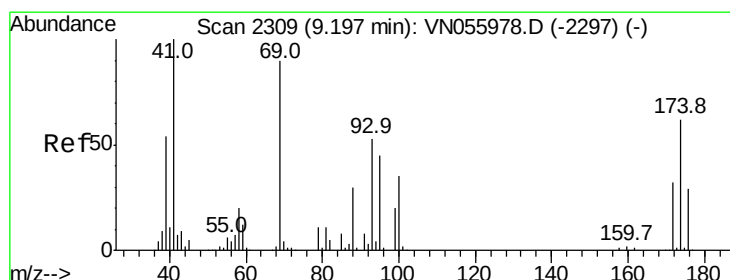
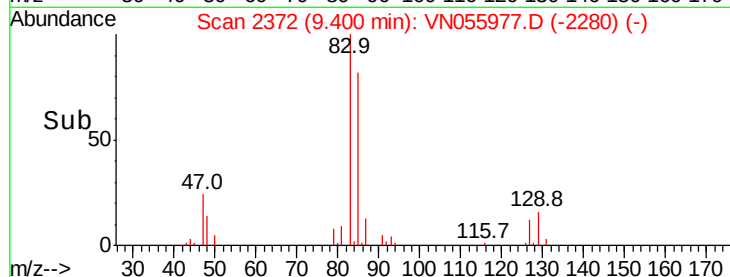
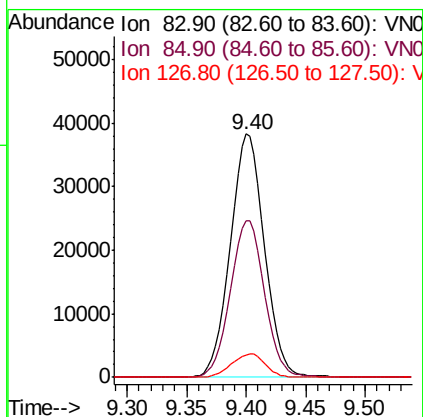
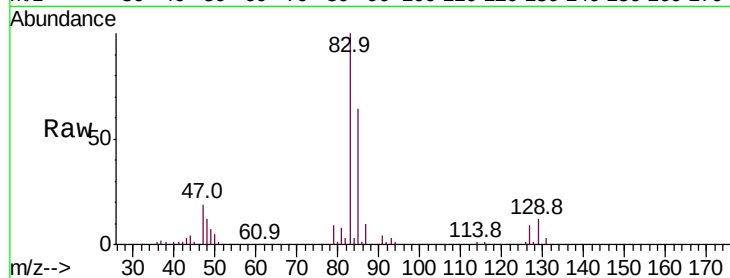
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	76080
Ion	Ratio	Lower	Upper
83	100		
85	64.5	52.2	78.2
127	9.2	7.4	11.0

Manual Integrations
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6/5/2019 4:03:30 PM



#48

Methyl methacrylate

Concen: 21.082 ug/l

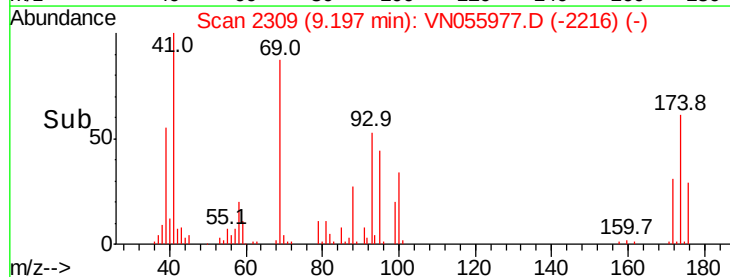
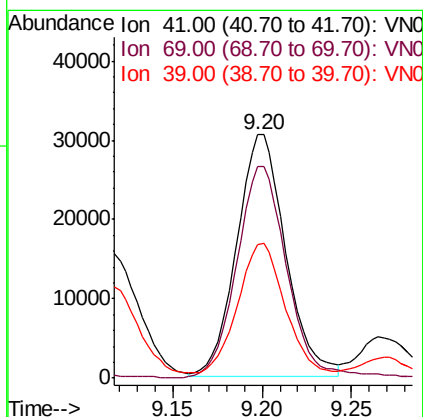
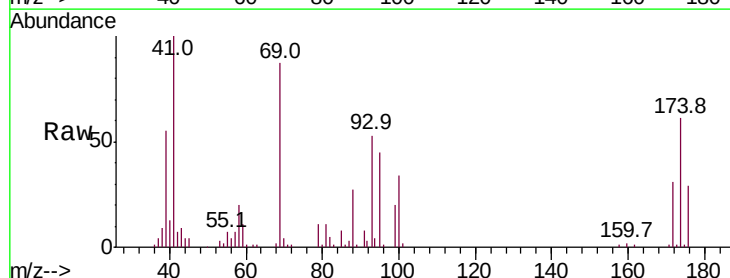
RT: 9.20 min Scan# 2309

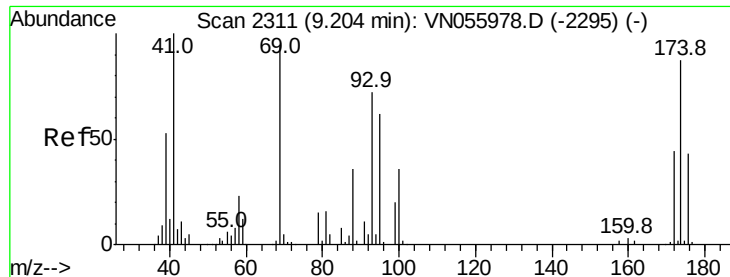
Delta R.T. -0.00 min

Lab File: VN055977.D

Acq: 4 Jun 2019 9:12

Tgt Ion:	41	Resp:	58738
Ion	Ratio	Lower	Upper
41	100		
69	90.8	71.0	106.6
39	56.2	44.2	66.2





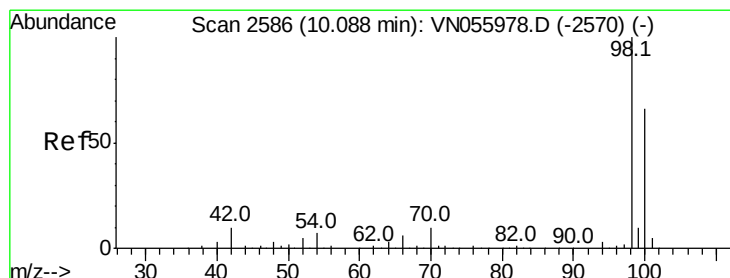
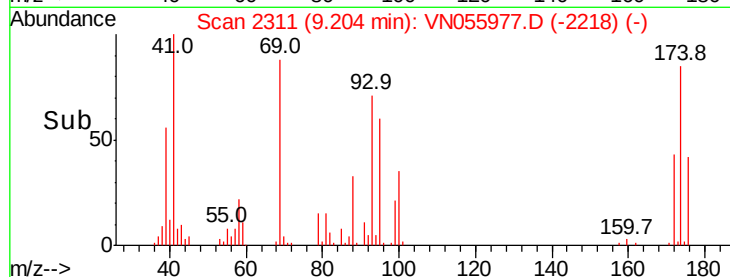
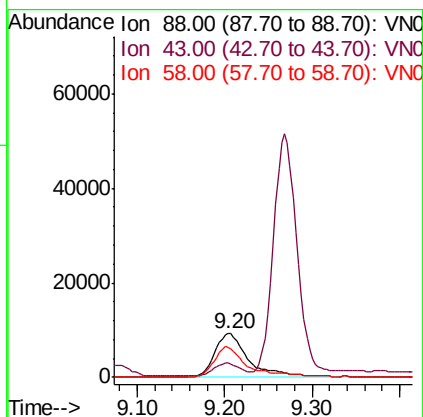
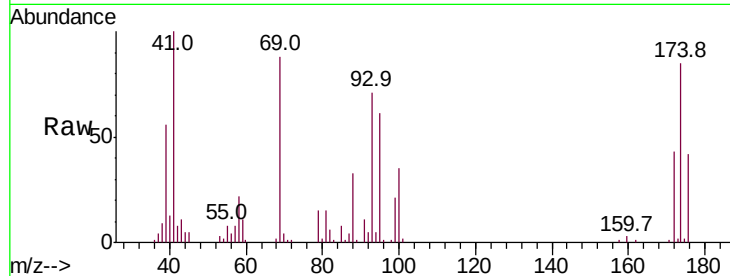
#49
1,4-Dioxane
Concen: 422.464 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. -0.00 min
Lab File: VN055977.D
Acq: 4 Jun 2019 9:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	23.6	20.5	30.7
58	68.7	55.8	83.6

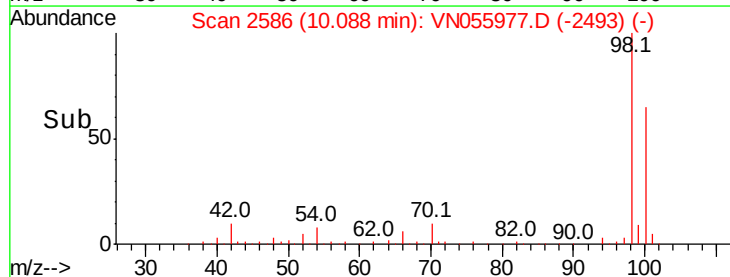
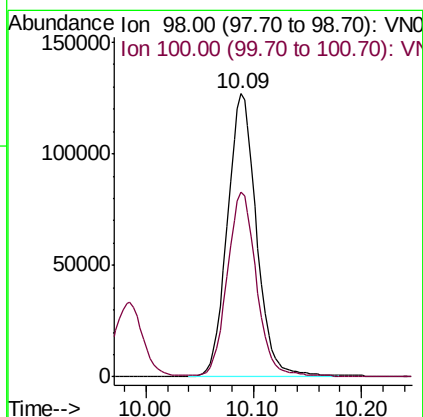
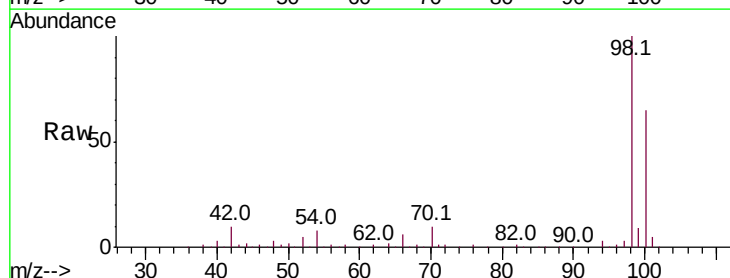
Manual Integrations
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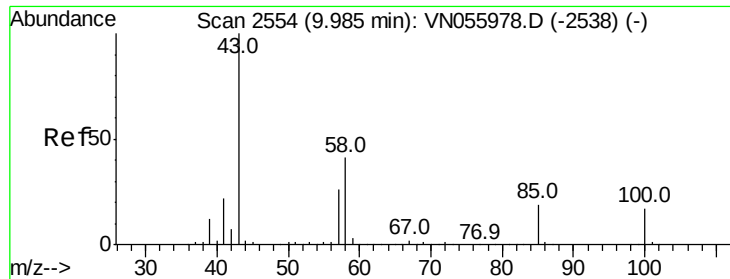
MMDadoda
6/5/2019 4:03:30 PM



#50
Toluene-d8
Concen: 21.307 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN055977.D
Acq: 4 Jun 2019 9:12

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	51.9	77.9





#51

4-Methyl-2-Pentanone

Concen: 103.377 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN055977.D

Acq: 4 Jun 2019 9:12

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 43 Resp: 371547

Ion Ratio Lower Upper

43 100

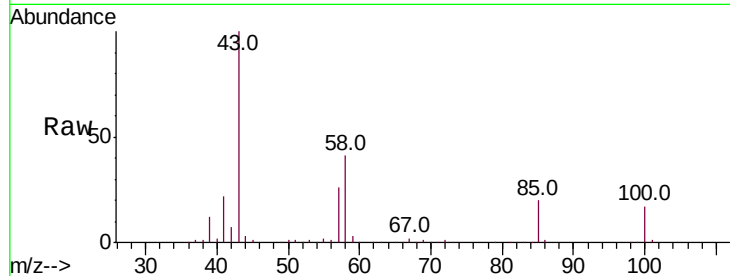
58 40.6 32.1 48.1

Manual Integrations

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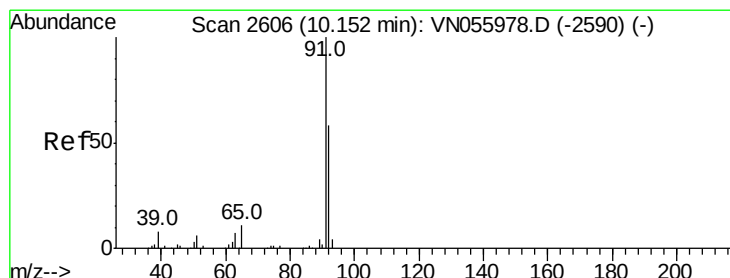
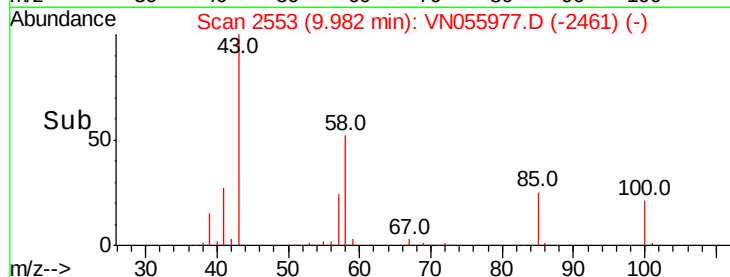
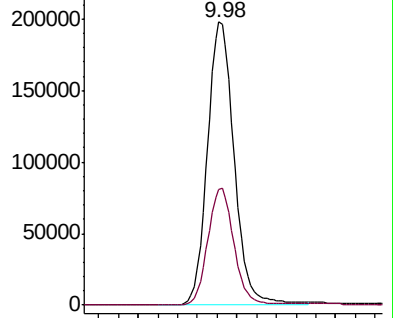
MMDadoda

6/5/2019 4:03:30 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 21.157 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN055977.D

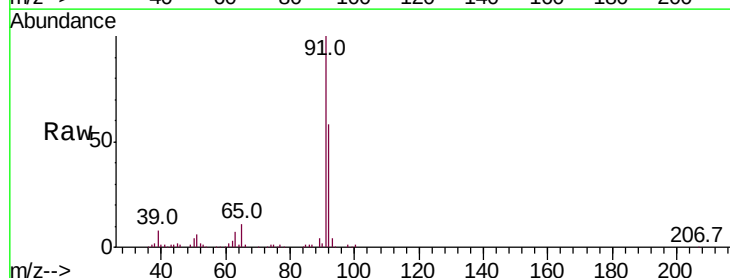
Acq: 4 Jun 2019 9:12

Tgt Ion: 92 Resp: 160441

Ion Ratio Lower Upper

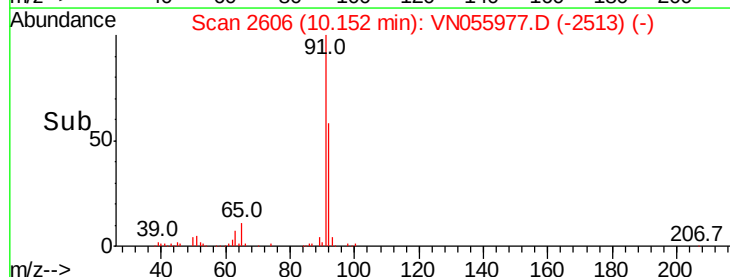
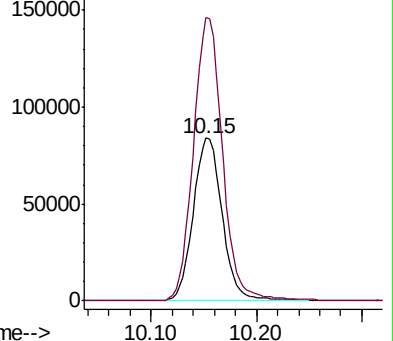
92 100

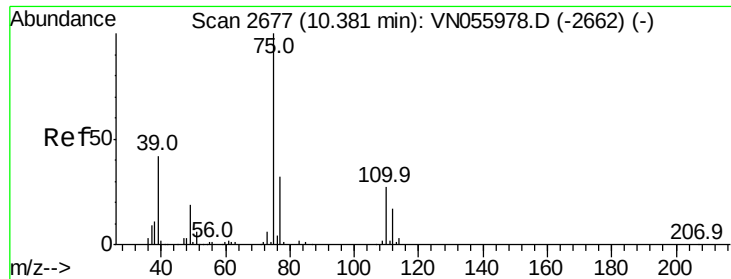
91 175.0 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





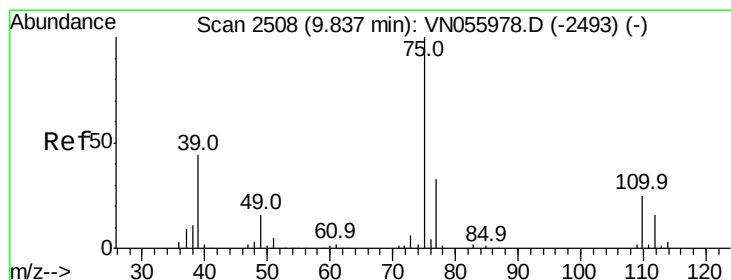
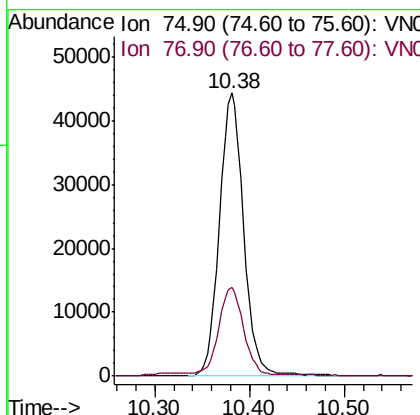
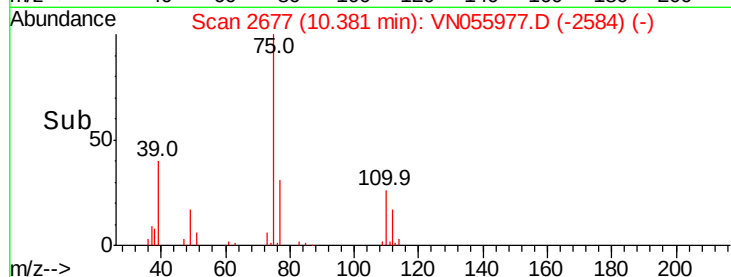
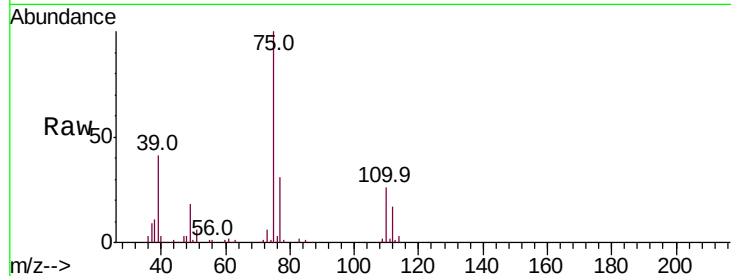
#53
 t-1,3-Dichloropropene
 Concen: 22.972 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. -0.00 min
 Lab File: VN055977.D
 Acq: 4 Jun 2019 9:12

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.8	25.8	38.6

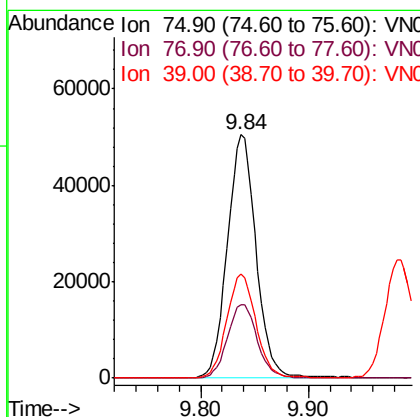
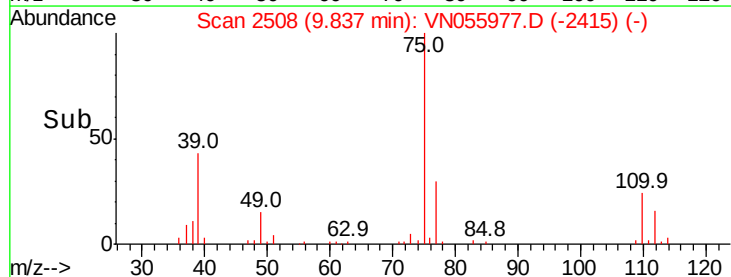
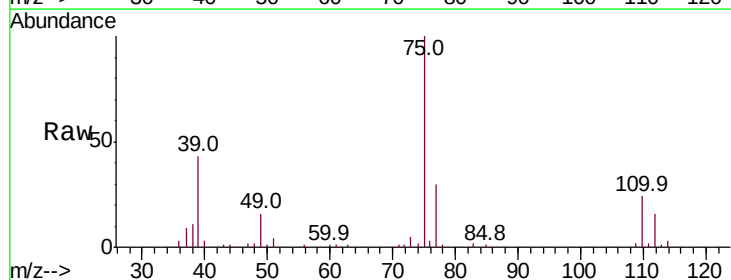
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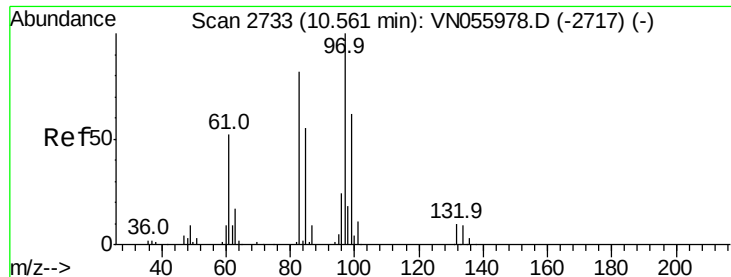
MMDadoda
 6/5/2019 4:03:30 PM



#54
 cis-1,3-Dichloropropene
 Concen: 22.837 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. -0.00 min
 Lab File: VN055977.D
 Acq: 4 Jun 2019 9:12

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.3	25.4	38.0
39	42.6	36.3	54.5





#55

1,1,2-Trichloroethane

Concen: 21.065 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN055977.D

Acq: 4 Jun 2019 9:12

Instrument :

MSVOA_N

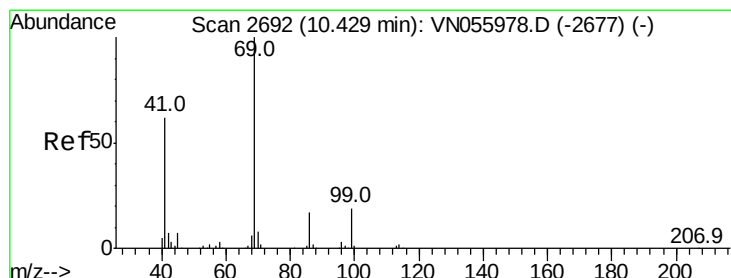
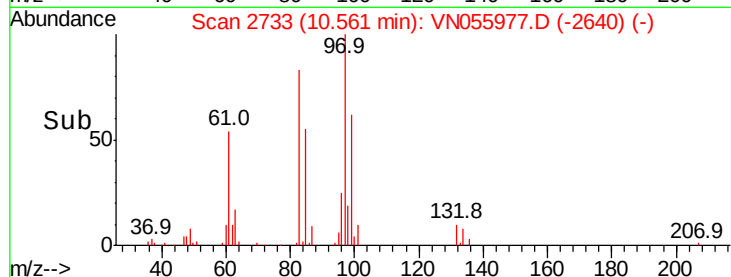
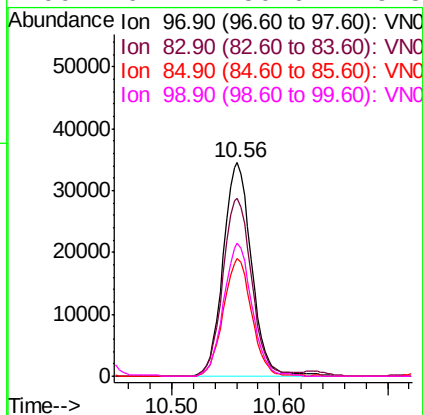
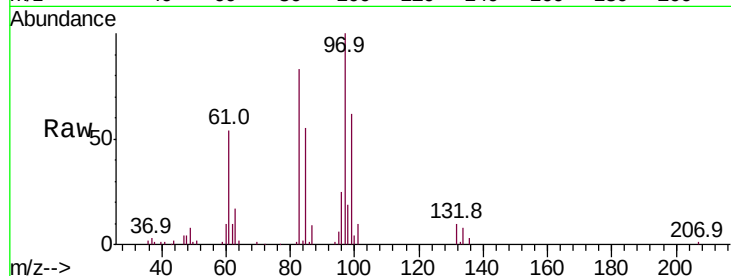
ClientSampled :

VSTDIC020

Tot Ion:	97	Resp:	63404
Ion	Ratio	Lower	Upper
97	100		
83	83.1	67.0	100.6
85	55.2	44.0	66.0
99	62.4	50.6	75.8

Manual Integrations
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6/5/2019 4:03:30 PM



#56

Ethyl methacrylate

Concen: 21.411 ug/l

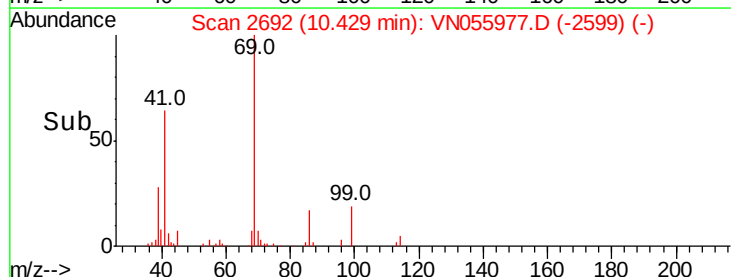
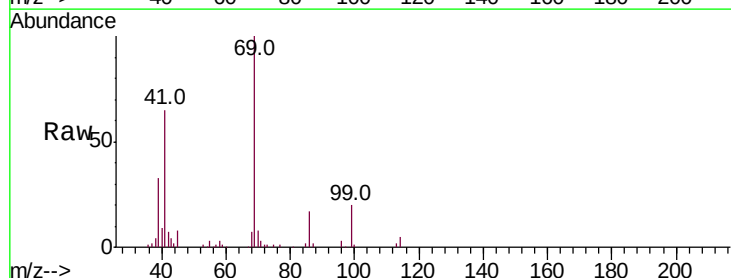
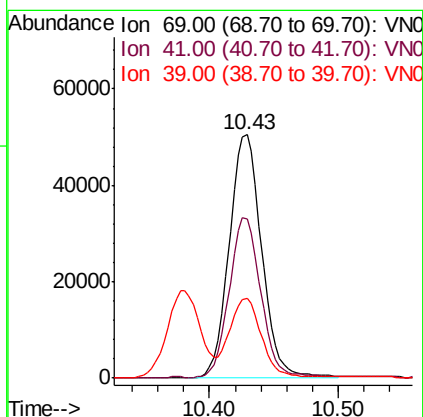
RT: 10.43 min Scan# 2692

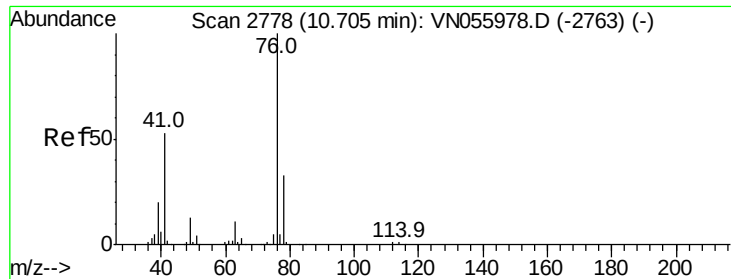
Delta R.T. -0.00 min

Lab File: VN055977.D

Acq: 4 Jun 2019 9:12

Tgt Ion:	69	Resp:	88620
Ion	Ratio	Lower	Upper
69	100		
41	63.5	49.7	74.5
39	32.5	24.7	37.1





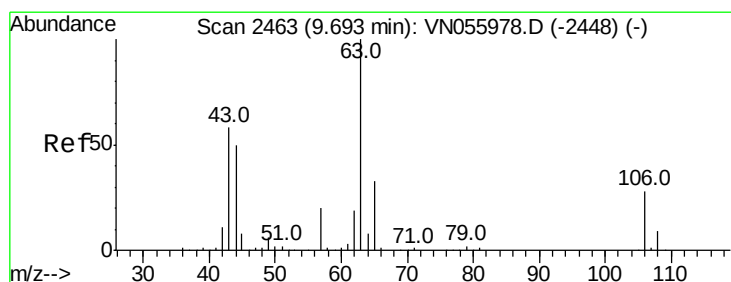
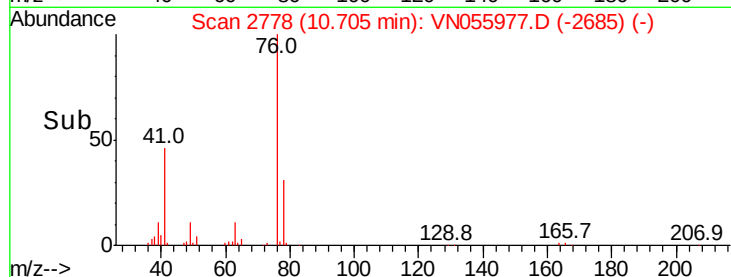
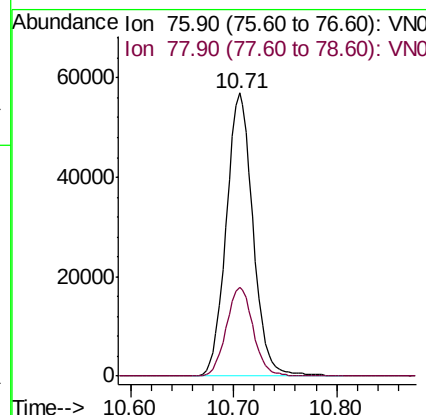
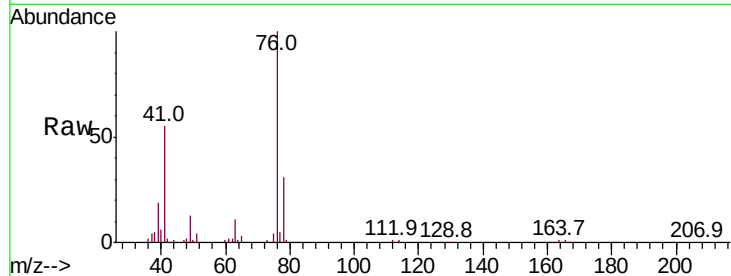
#57
 1,3-Dichloropropane
 Concen: 21.106 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN055977.D
 Acq: 4 Jun 2019 9:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.6	25.8	38.6

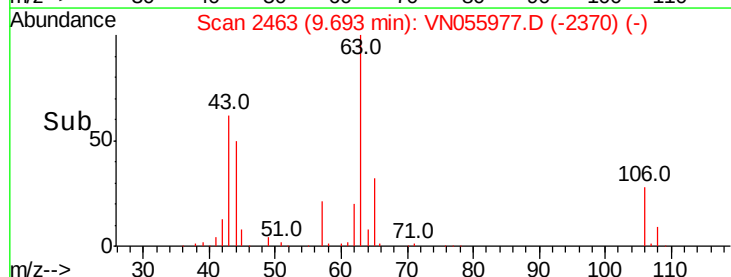
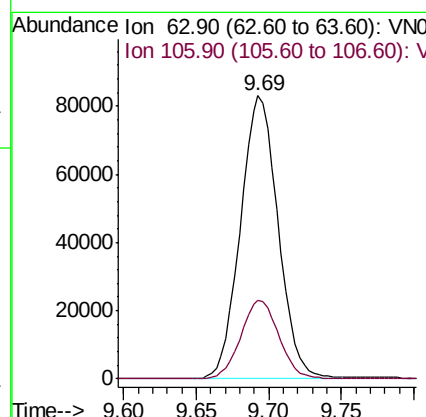
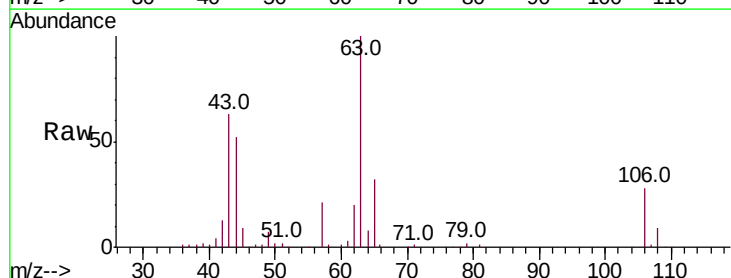
Manual Integrations
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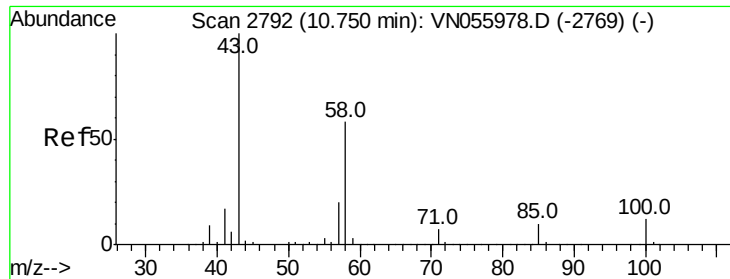
MMDadoda
 6/5/2019 4:03:30 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 108.887 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. -0.00 min
 Lab File: VN055977.D
 Acq: 4 Jun 2019 9:12

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.1	22.7	34.1





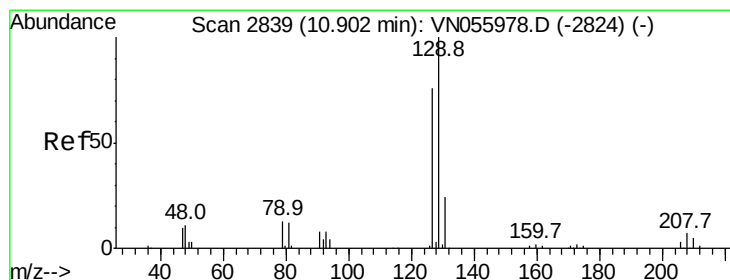
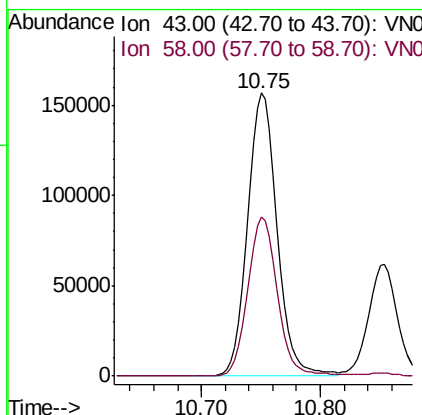
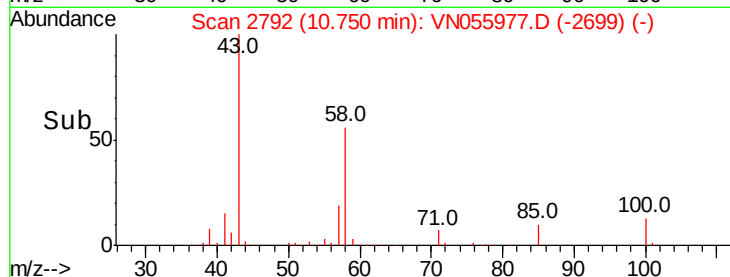
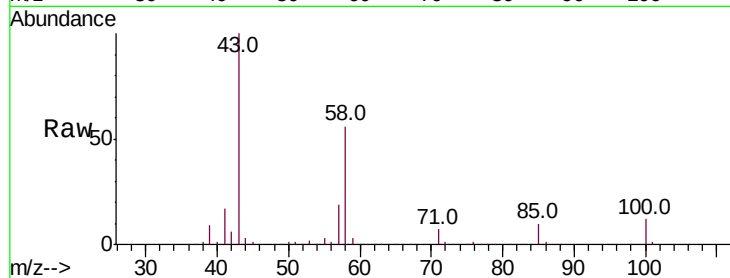
#59
2-Hexanone
Concen: 103.903 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN055977.D
Acq: 4 Jun 2019 9:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 269918
Ion Ratio Lower Upper
43 100
58 56.6 28.2 84.7

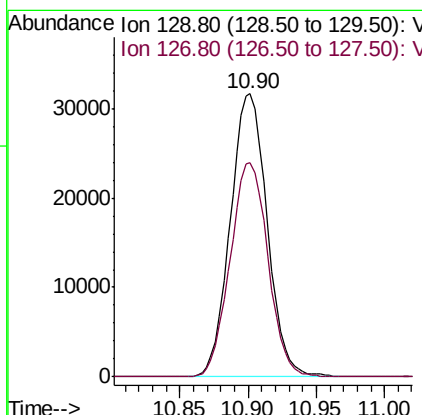
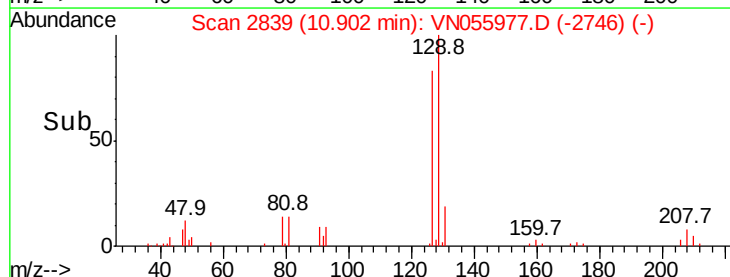
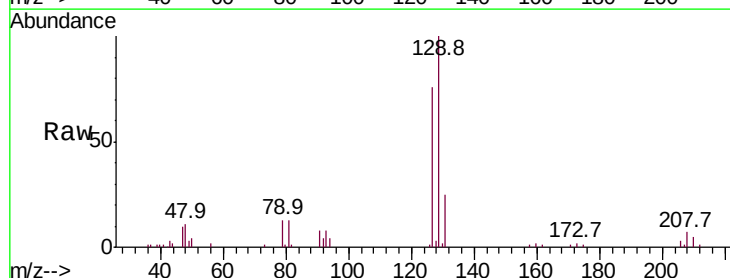
Manual Integrations
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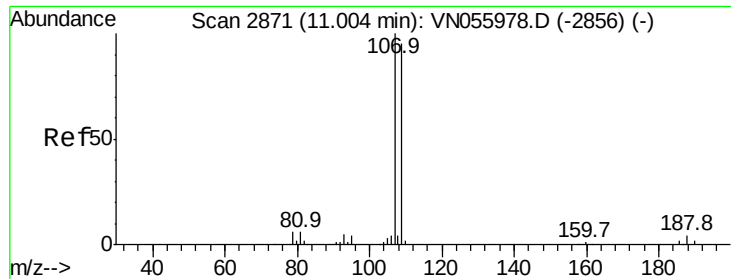
MMDadoda
6/5/2019 4:03:30 PM



#60
Dibromochloromethane
Concen: 23.232 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN055977.D
Acq: 4 Jun 2019 9:12

Tgt Ion:129 Resp: 59341
Ion Ratio Lower Upper
129 100
127 77.7 38.1 114.3





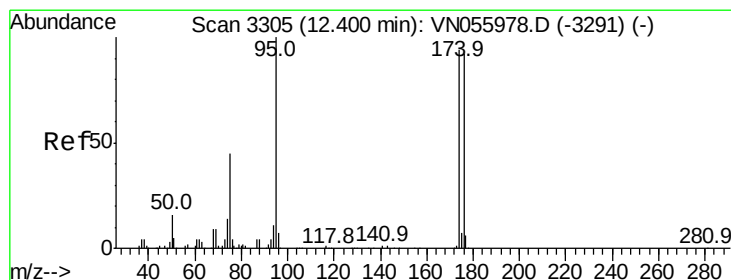
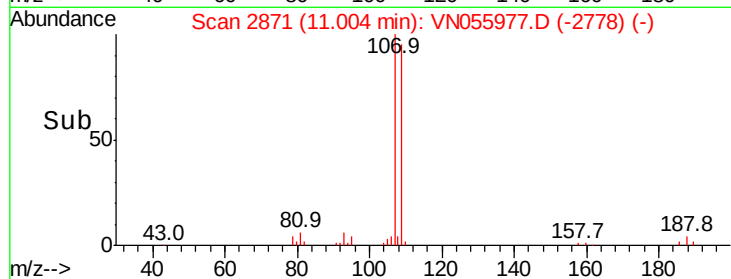
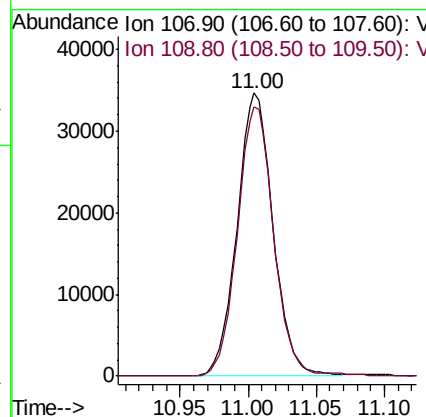
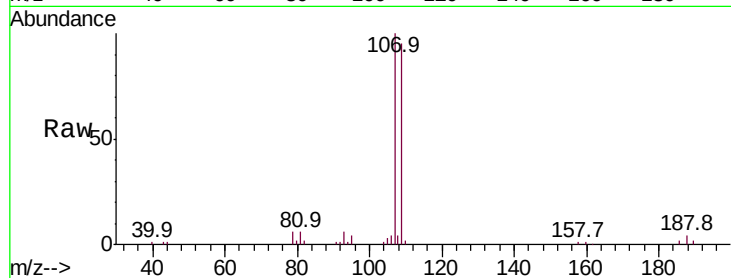
#61
 1,2-Dibromoethane
 Concen: 21.341 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN055977.D
 Acq: 4 Jun 2019 9:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.9	74.8	112.2

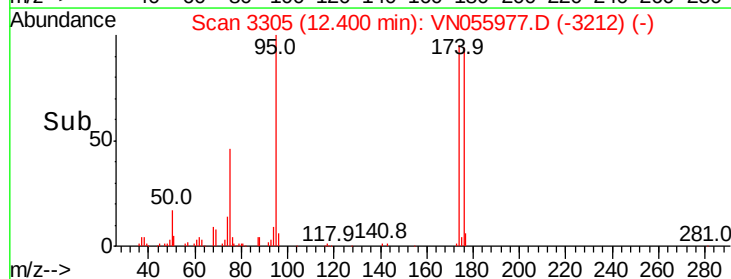
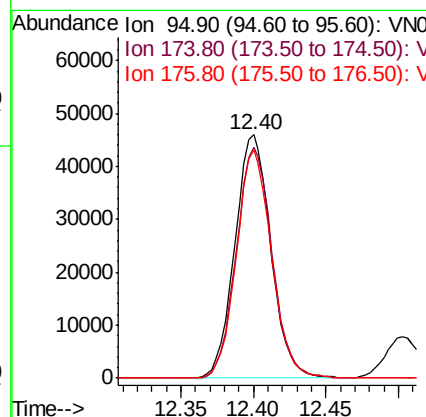
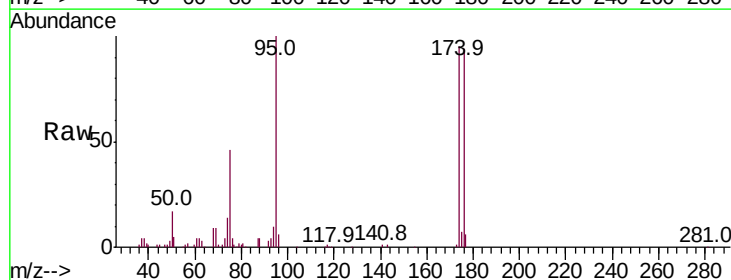
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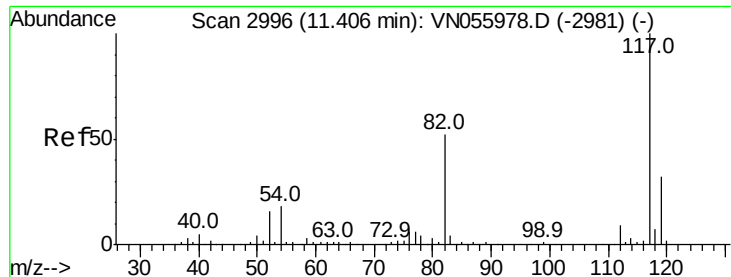
MMDadoda
 6/5/2019 4:03:30 PM



#62
 4-Bromofluorobenzene
 Concen: 21.789 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN055977.D
 Acq: 4 Jun 2019 9:12

Tgt Ion	Ratio	Lower	Upper
95	100		
174	94.8	0.0	191.0
176	91.6	0.0	185.2





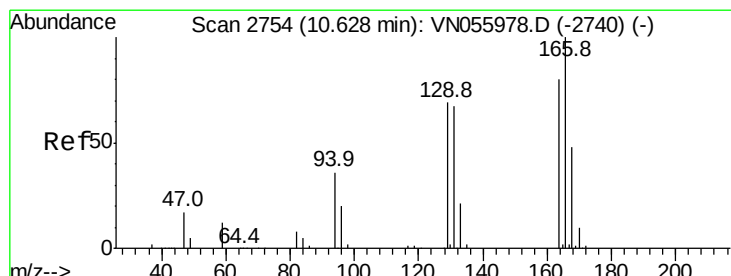
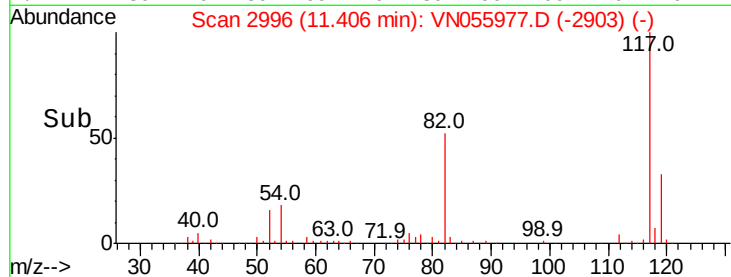
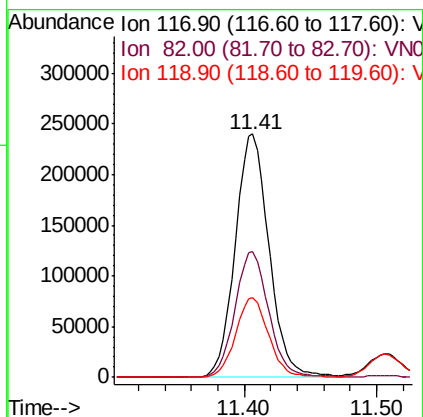
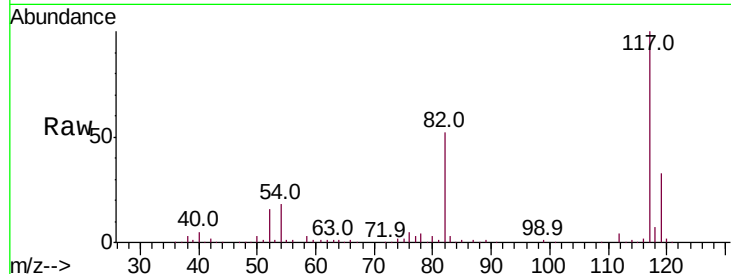
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN055977.D
Acq: 4 Jun 2019 9:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.5	41.8	62.8
119	32.8	25.4	38.0

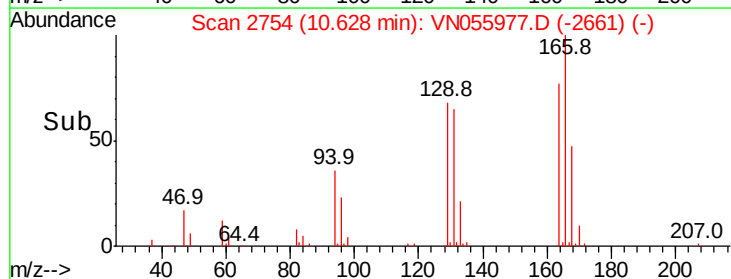
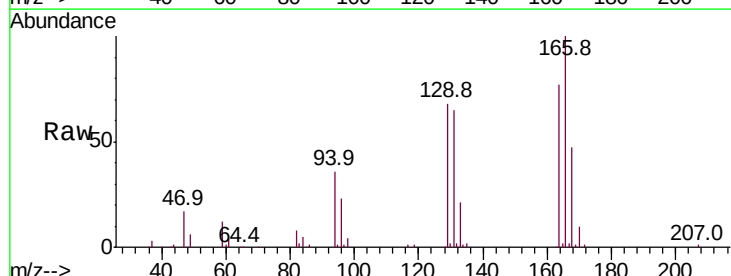
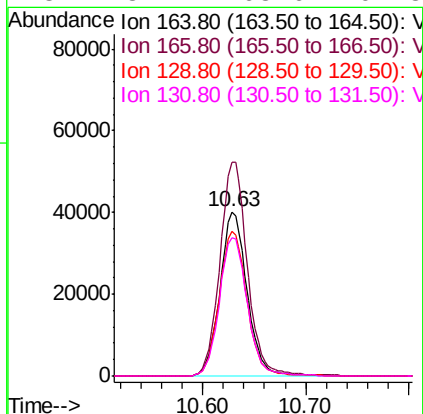
Manual Integrations
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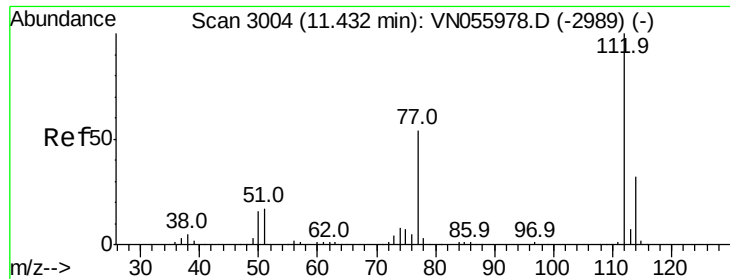
MMDadoda
6/5/2019 4:03:30 PM



#64
Tetrachloroethene
Concen: 18.847 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN055977.D
Acq: 4 Jun 2019 9:12

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.0	103.0	154.6
129	88.1	70.6	105.8
131	84.2	68.6	102.8





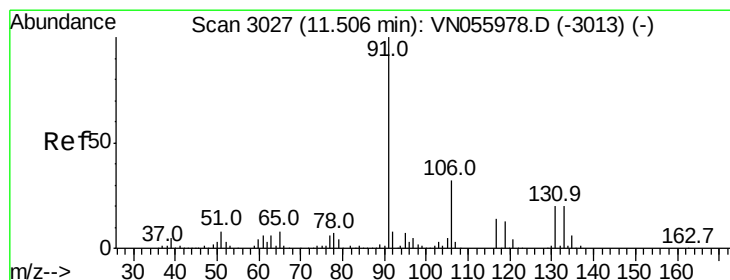
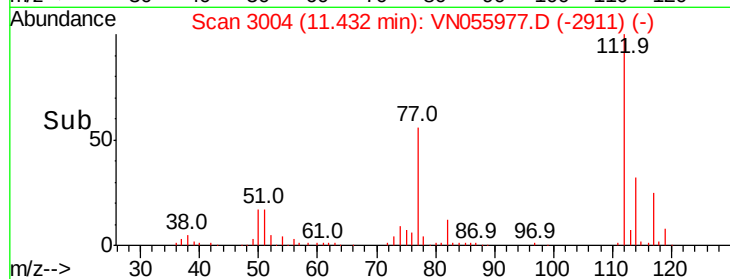
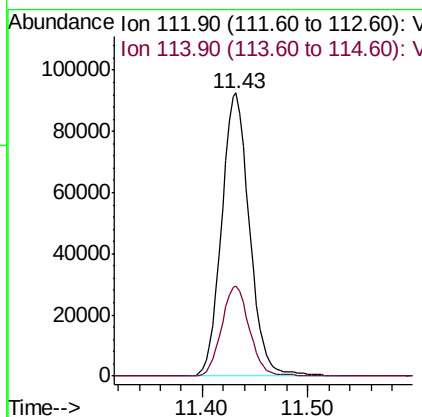
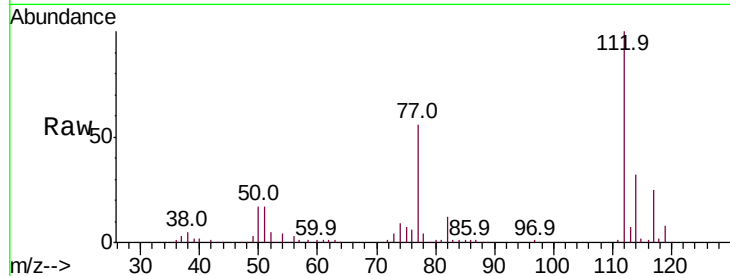
#65
Chlorobenzene
Concen: 19.782 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN055977.D
Acq: 4 Jun 2019 9:12

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion:112 Resp: 169393
Ion Ratio Lower Upper
112 100
114 31.8 26.2 39.4

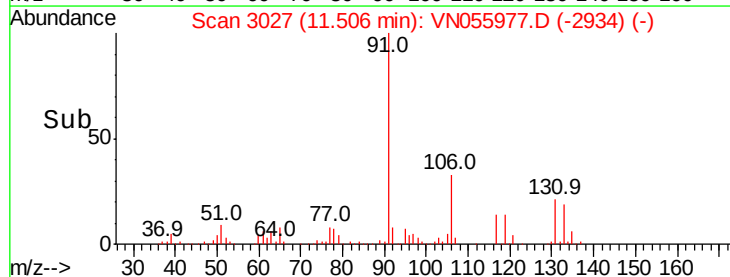
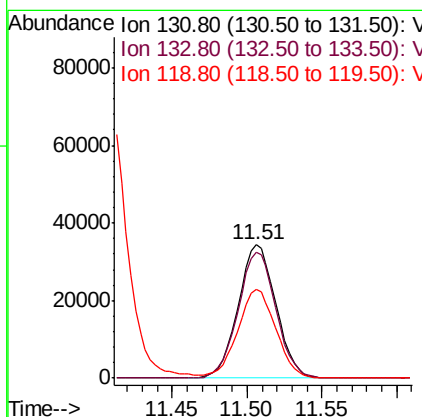
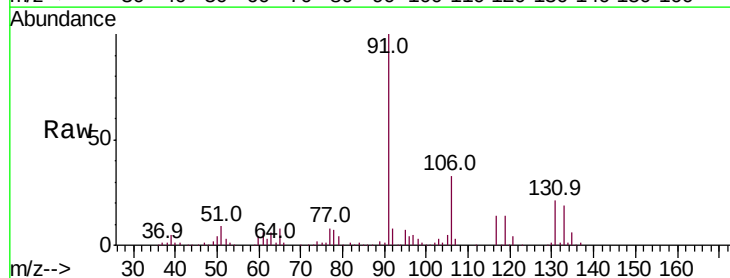
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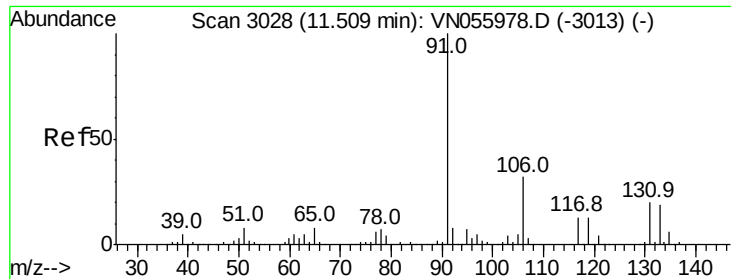
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.758 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN055977.D
Acq: 4 Jun 2019 9:12

Tgt Ion:131 Resp: 60162
Ion Ratio Lower Upper
131 100
133 94.9 48.0 144.0
119 67.6 33.1 99.5





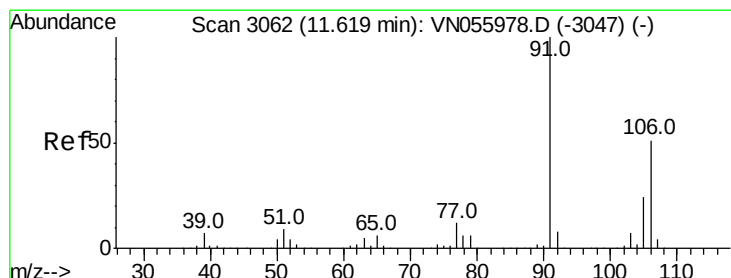
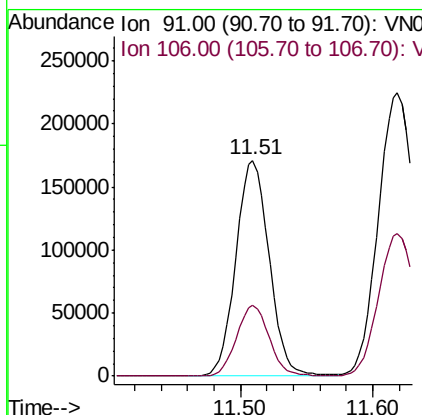
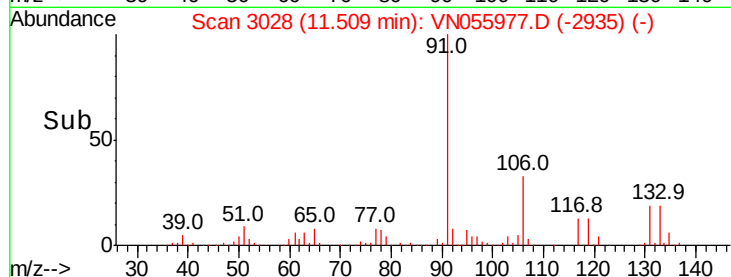
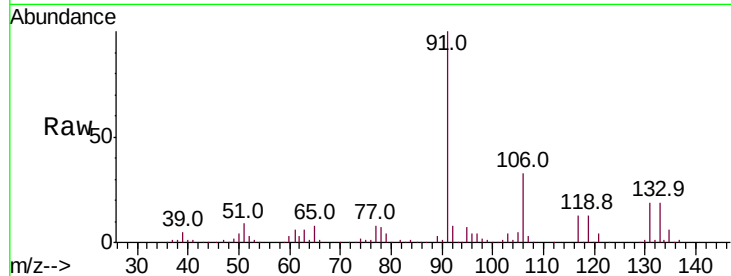
#67
Ethyl Benzene
Concen: 20.398 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN055977.D
Acq: 4 Jun 2019 9:12

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion: 91 Resp: 299211
Ion Ratio Lower Upper
91 100
106 32.8 25.1 37.7

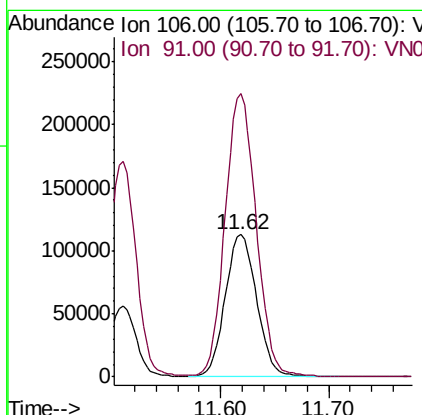
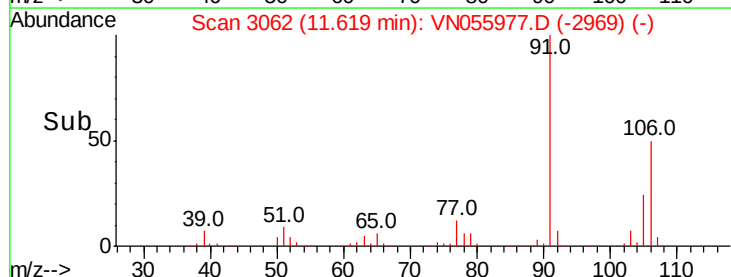
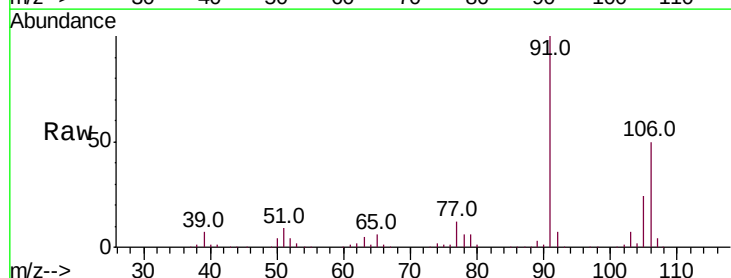
Manual Integrations
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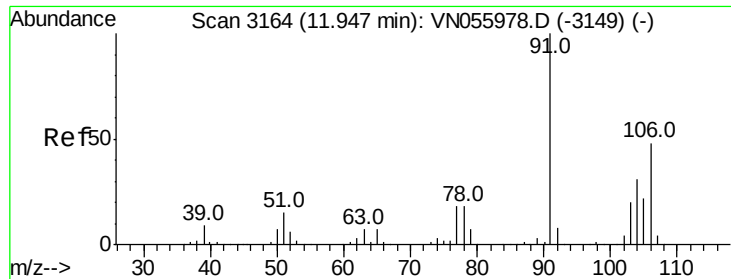
MMDadoda
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#68
m/p-Xylenes
Concen: 41.287 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN055977.D
Acq: 4 Jun 2019 9:12

Tgt Ion: 106 Resp: 228528
Ion Ratio Lower Upper
106 100
91 197.3 159.3 238.9





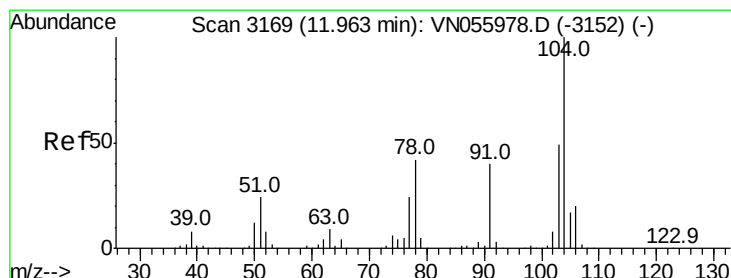
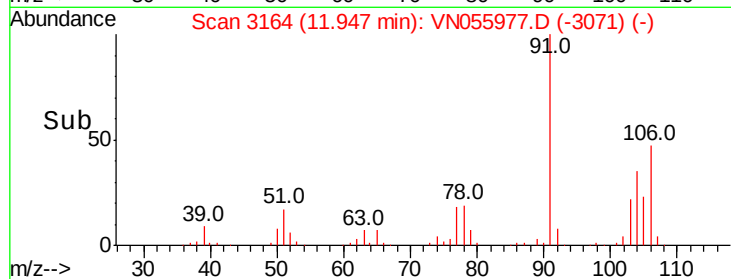
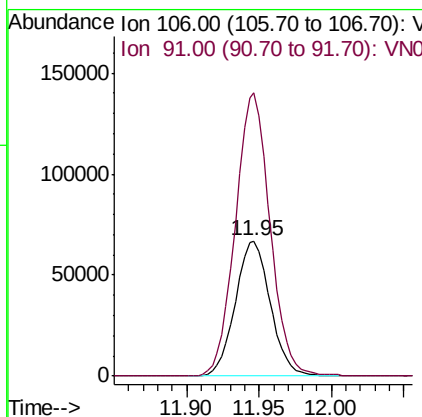
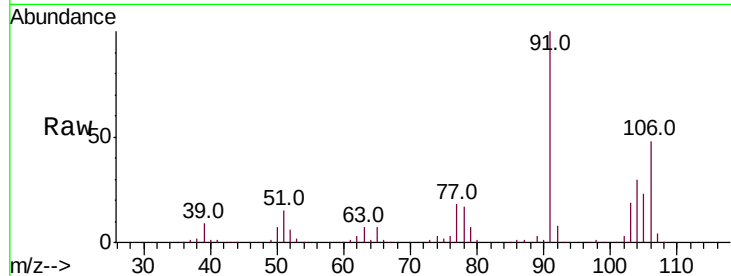
#69
o-Xylene
Concen: 20.380 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN055977.D
Acq: 4 Jun 2019 9:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion:106 Resp: 112344
Ion Ratio Lower Upper
106 100
91 207.8 104.7 314.1

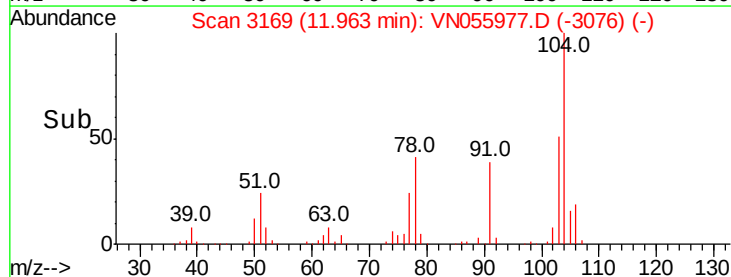
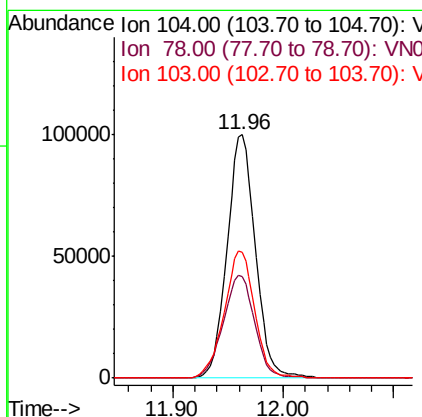
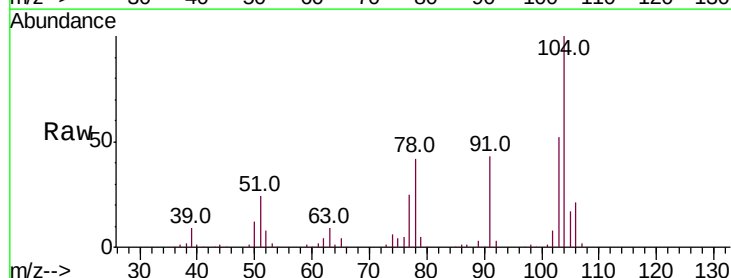
Manual Integrations
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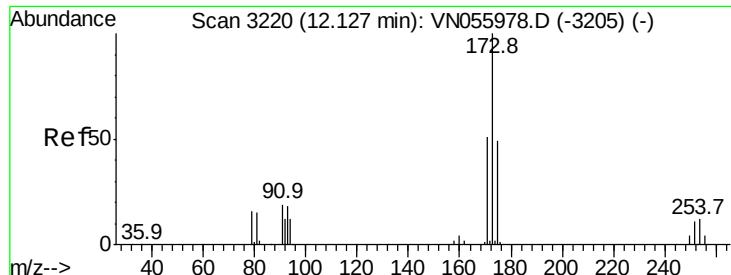
MMDadoda
6/5/2019 4:03:30 PM



#70
Styrene
Concen: 21.901 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN055977.D
Acq: 4 Jun 2019 9:12

Tgt Ion:104 Resp: 178377
Ion Ratio Lower Upper
104 100
78 46.8 37.8 56.6
103 56.0 44.2 66.2





#71

Bromoform

Concen: 22.665 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN055977.D

Acq: 4 Jun 2019 9:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:173 Resp: 39729

Ion Ratio Lower Upper

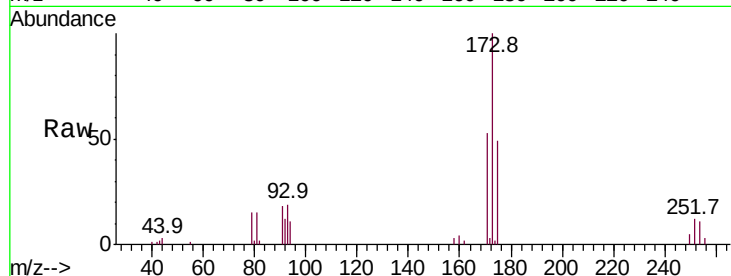
173 100

175 50.0 24.3 72.8

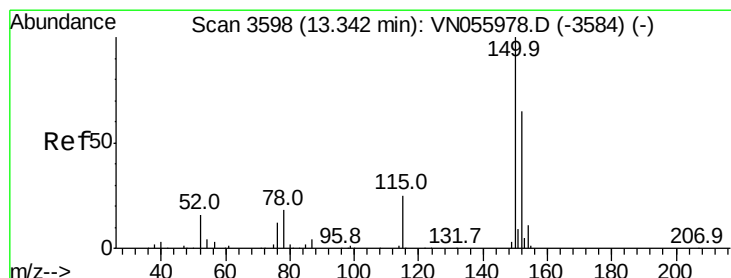
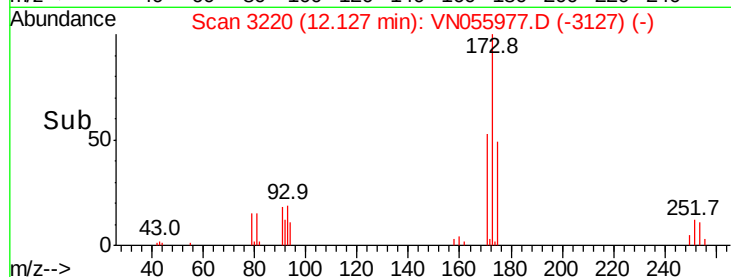
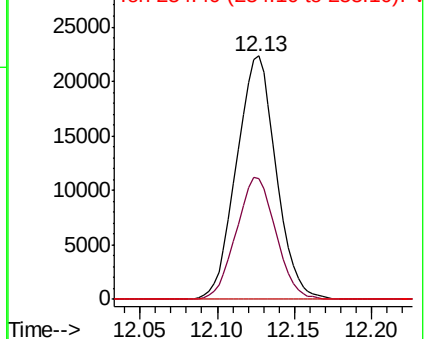
254 0.0 0.0 0.0

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN055977.D

Acq: 4 Jun 2019 9:12

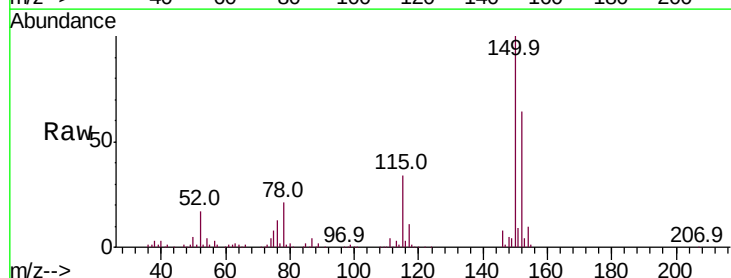
Tgt Ion:152 Resp: 177794

Ion Ratio Lower Upper

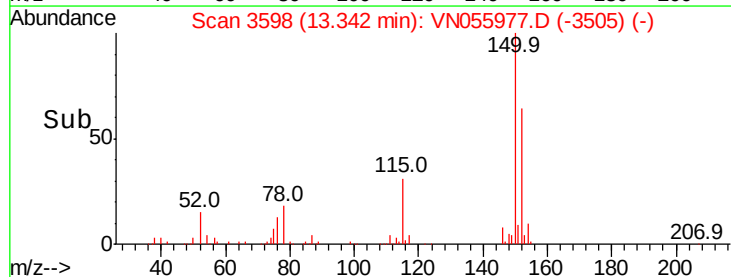
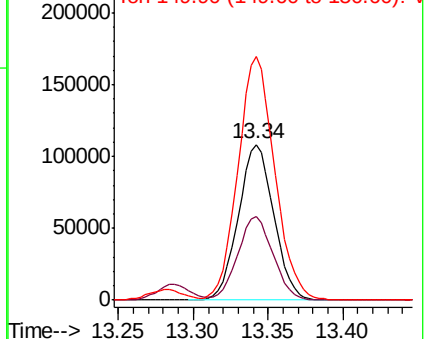
152 100

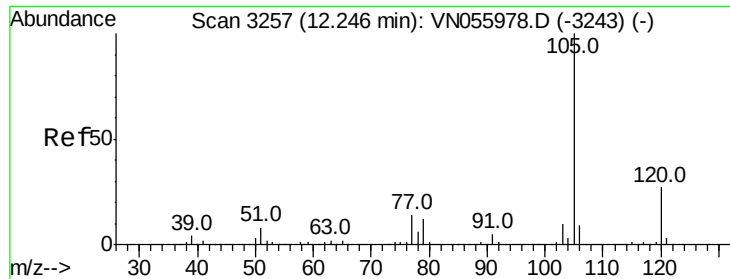
115 53.7 27.0 81.0

150 162.9 0.0 343.2



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





#73

Isopropylbenzene

Concen: 18.212 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN055977.D

Acq: 4 Jun 2019 9:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 295026

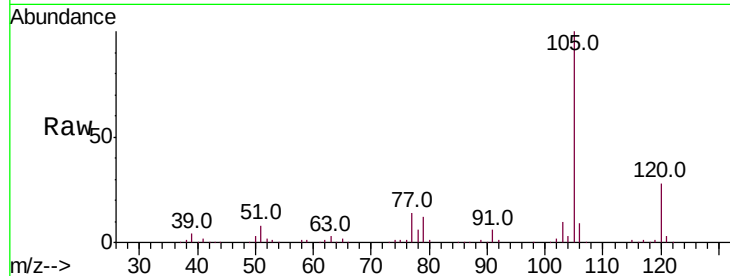
Ion Ratio Lower Upper

105 100

120 27.2 13.6 40.7

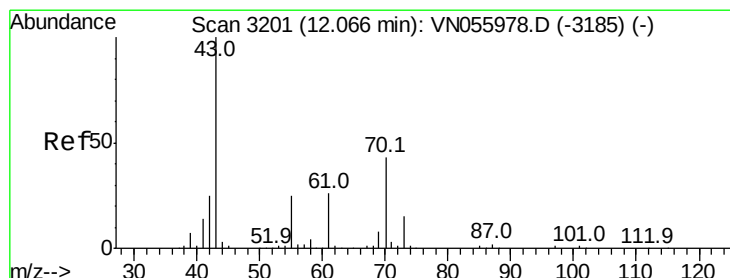
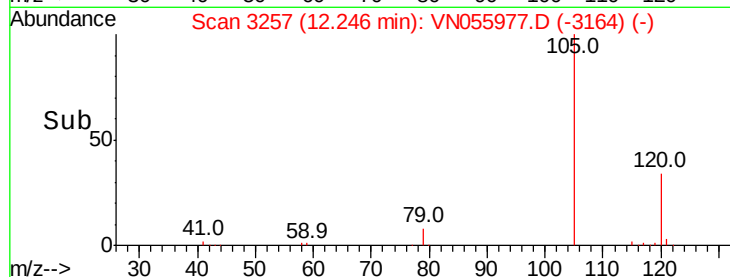
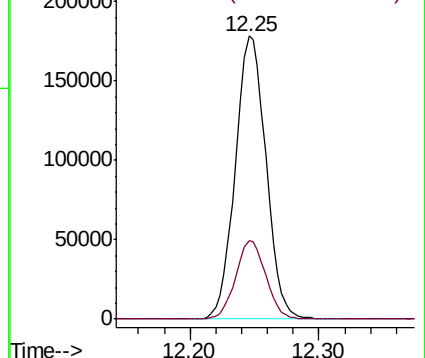
Manual Integrations
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6/5/2019 4:03:30 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.255 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN055977.D

Acq: 4 Jun 2019 9:12

Tgt Ion: 43 Resp: 96646

Ion Ratio Lower Upper

43 100

70 43.4 34.0 51.0

55 25.0 18.6 28.0

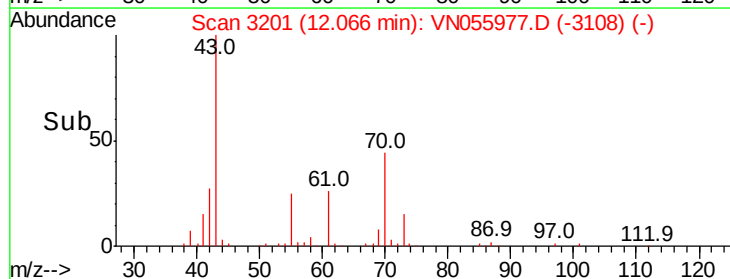
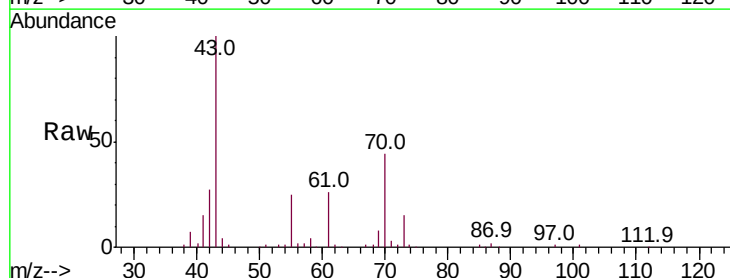
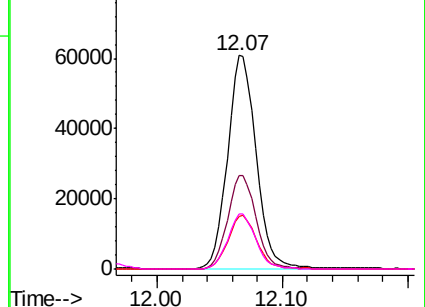
61 25.2 20.0 30.0

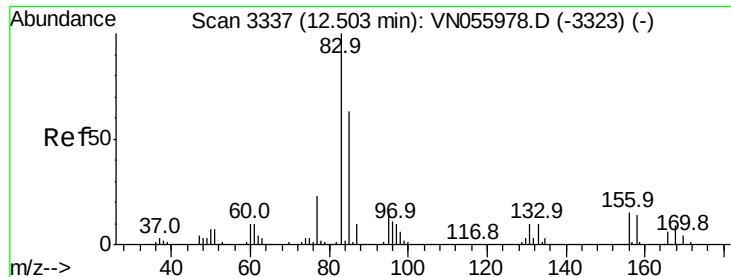
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 18.314 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN055977.D

Acq: 4 Jun 2019 9:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 83 Resp: 84275

Ion Ratio Lower Upper

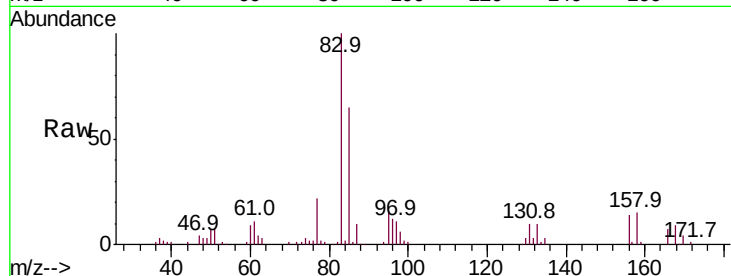
83 100

131 10.6 5.4 16.2

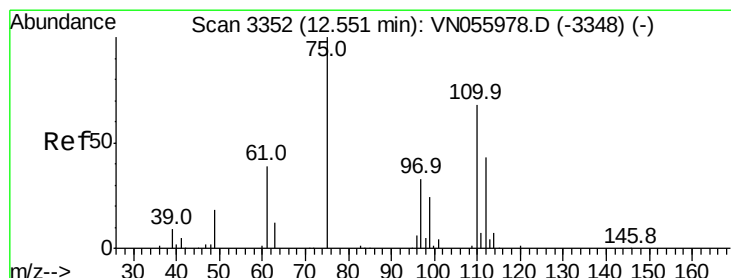
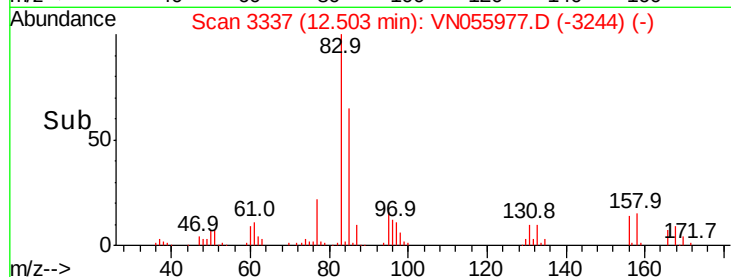
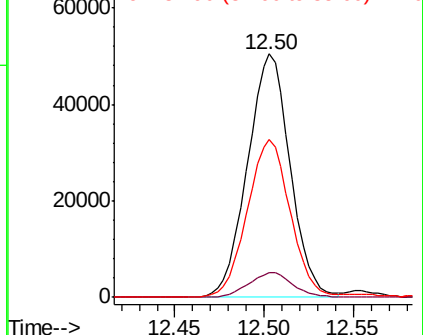
85 65.2 32.4 97.0

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 18.271 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055977.D

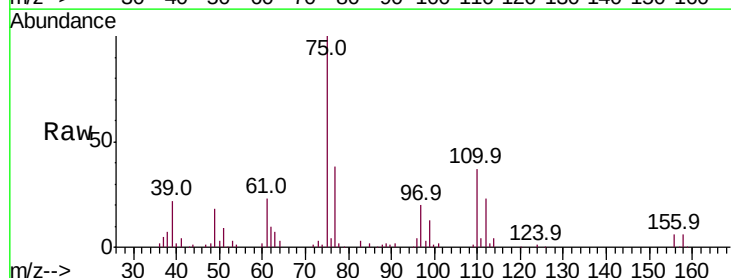
Acq: 4 Jun 2019 9:12

Tgt Ion: 75 Resp: 69552

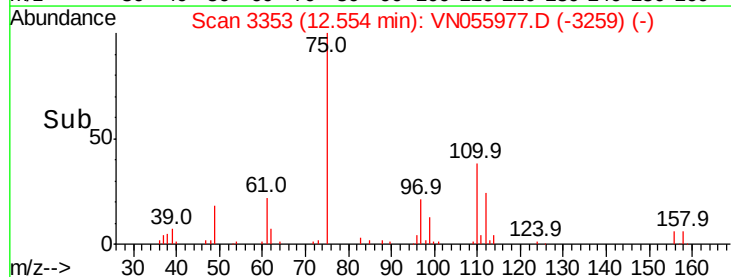
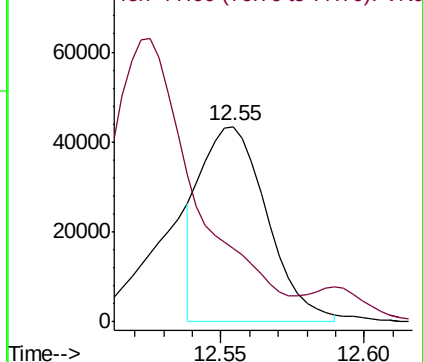
Ion Ratio Lower Upper

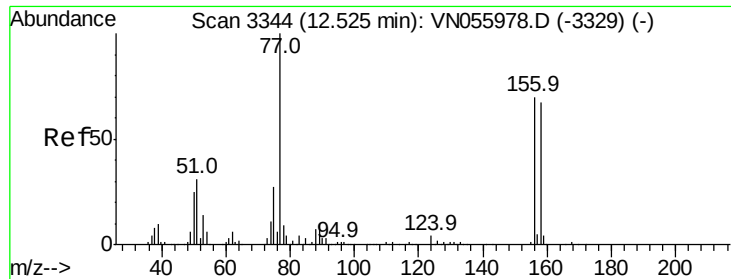
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 18.407 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN055977.D

Acq: 4 Jun 2019 9:12

Instrument :

MSVOA_N

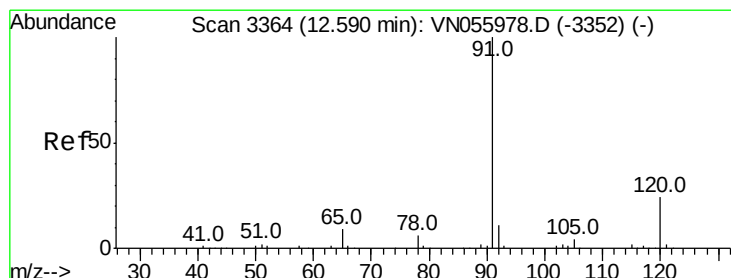
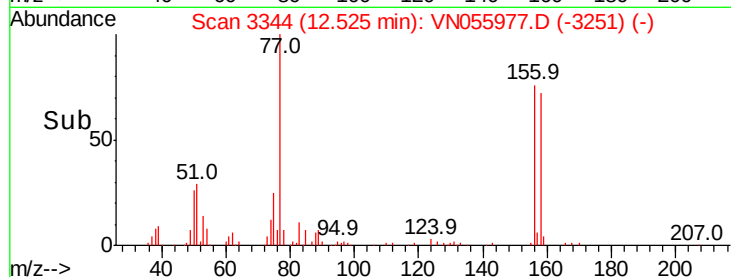
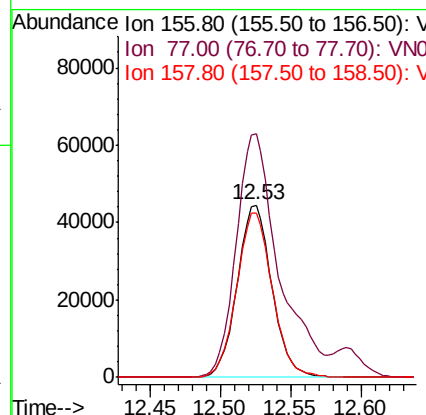
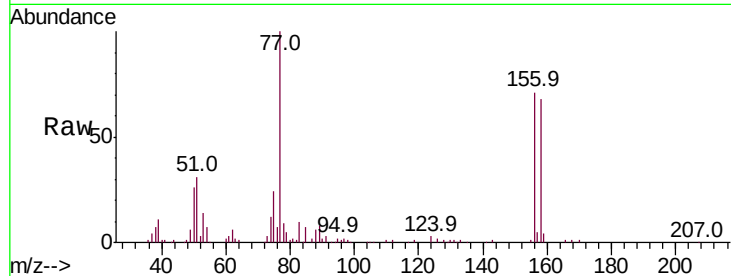
ClientSampleId :

VSTDIC020

Tot Ion	Ratio	Lower	Upper
156	100		
77	174.8	90.8	272.5
158	98.5	49.3	147.8

Manual Integrations
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#78

n-propylbenzene

Concen: 18.783 ug/l

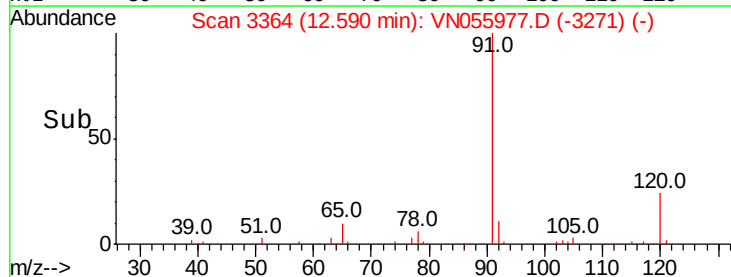
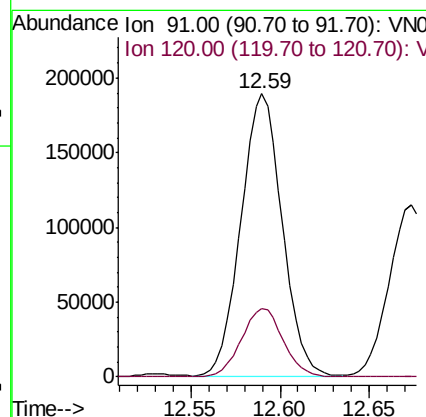
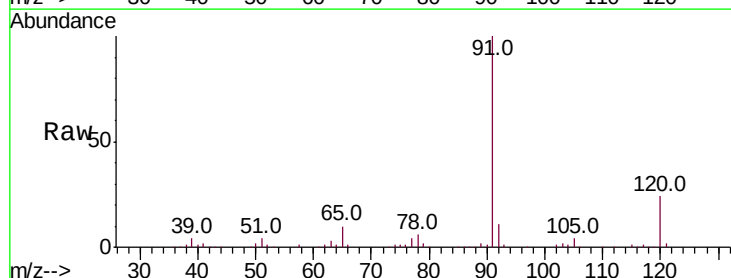
RT: 12.59 min Scan# 3364

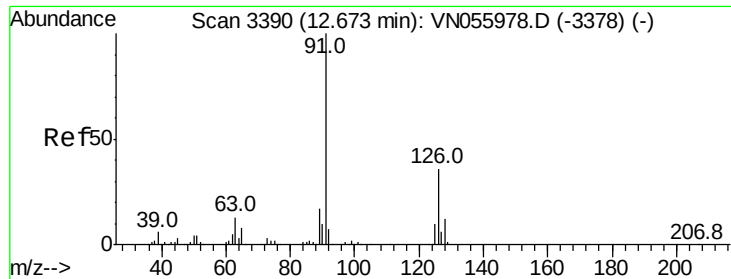
Delta R.T. -0.00 min

Lab File: VN055977.D

Acq: 4 Jun 2019 9:12

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.7	12.0	36.0





#79

2-Chlorotoluene

Concen: 17.851 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN055977.D

Acq: 4 Jun 2019 9:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 190108

Ion Ratio Lower Upper

91 100

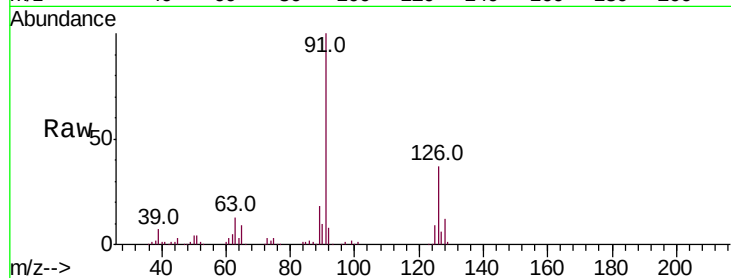
126 36.8 18.1 54.4

Manual Integrations

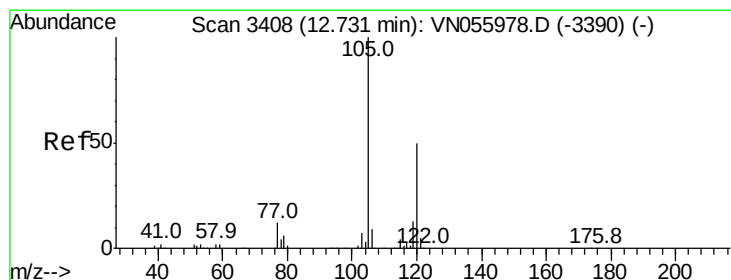
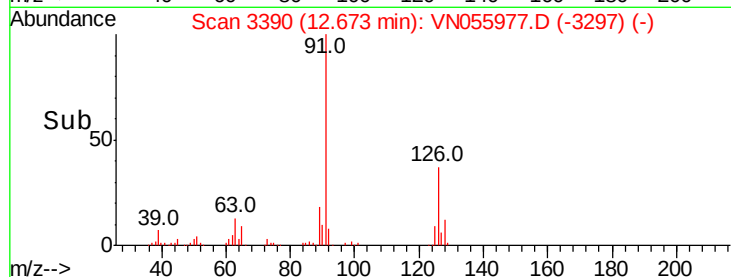
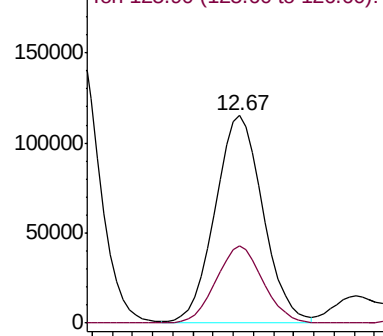
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Abundance Ion 91.00 (90.70 to 91.70): VN055977.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 18.223 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN055977.D

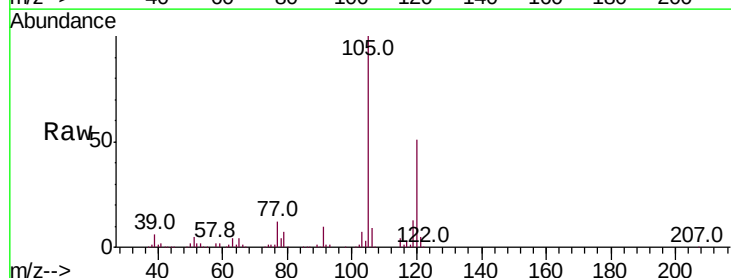
Acq: 4 Jun 2019 9:12

Tgt Ion: 105 Resp: 242597

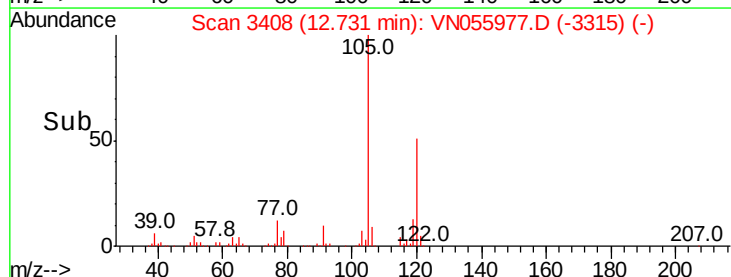
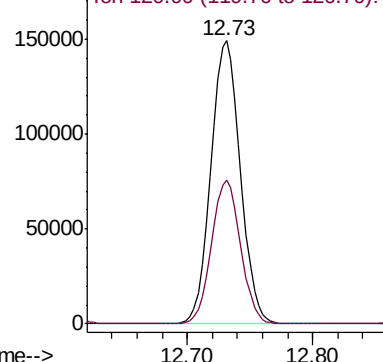
Ion Ratio Lower Upper

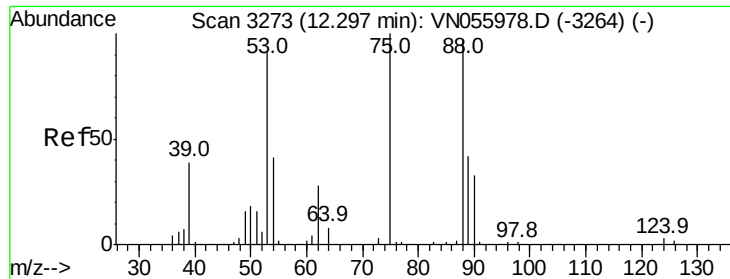
105 100

120 50.1 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): VN055977.D (-3390) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 20.880 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN055977.D

Acq: 4 Jun 2019 9:12

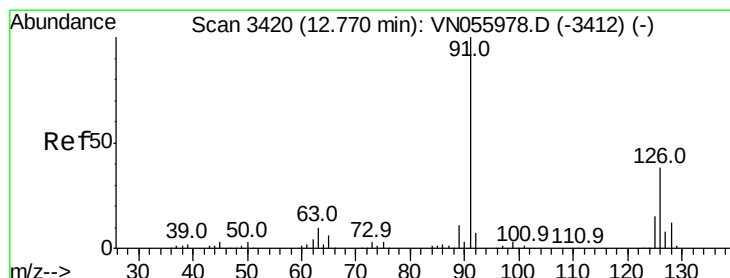
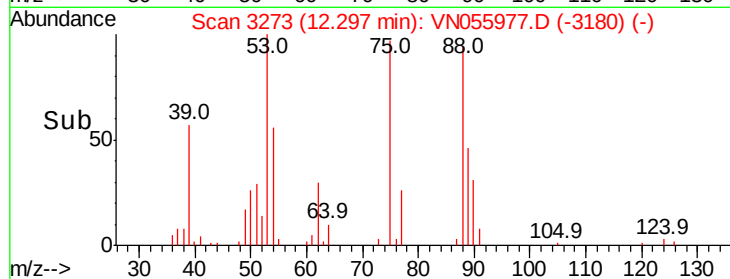
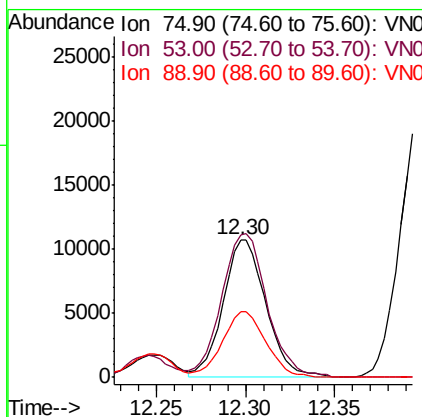
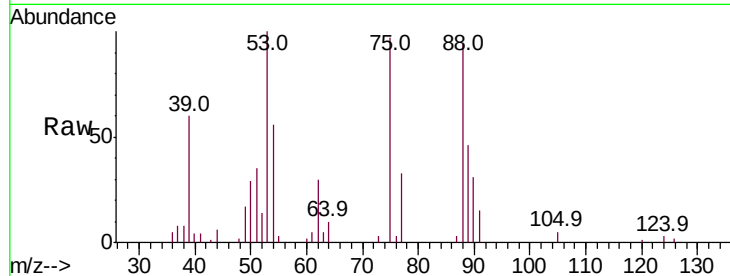
Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion: 75 Resp: 17944

Ion	Ratio	Lower	Upper
75	100		
53	111.1	68.1	102.1#
89	48.5	36.9	55.3

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.074 ug/l

RT: 12.77 min Scan# 3421

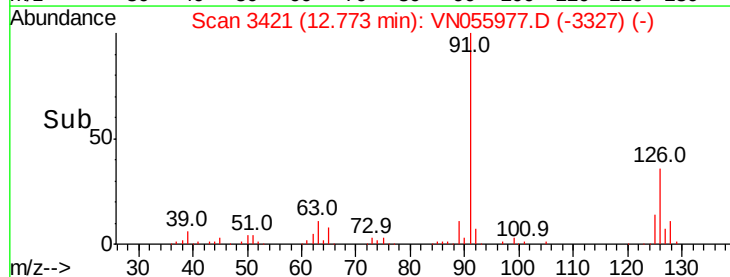
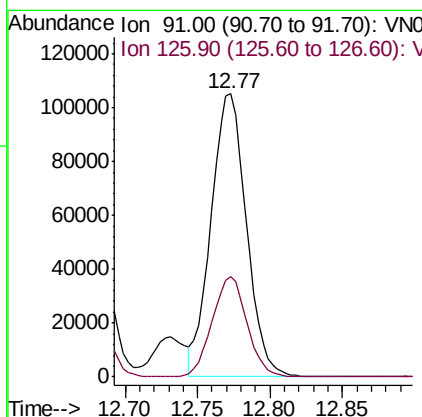
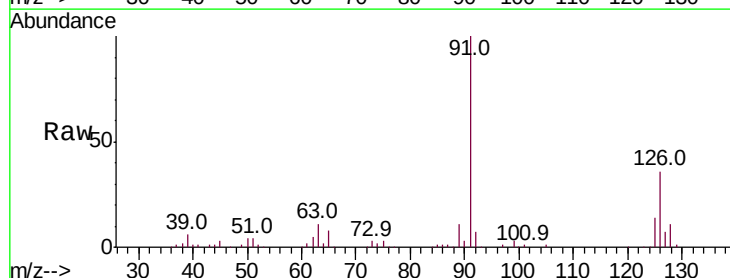
Delta R.T. 0.00 min

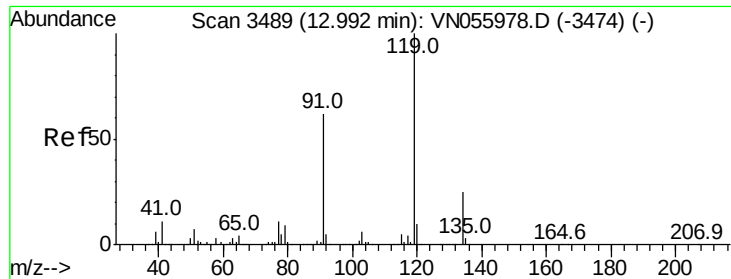
Lab File: VN055977.D

Acq: 4 Jun 2019 9:12

Tgt Ion: 91 Resp: 177914

Ion	Ratio	Lower	Upper
91	100		
126	35.0	17.8	53.3





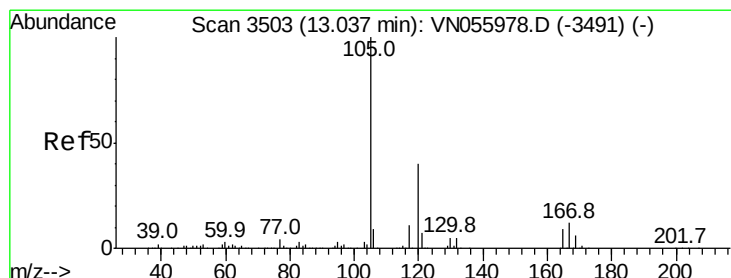
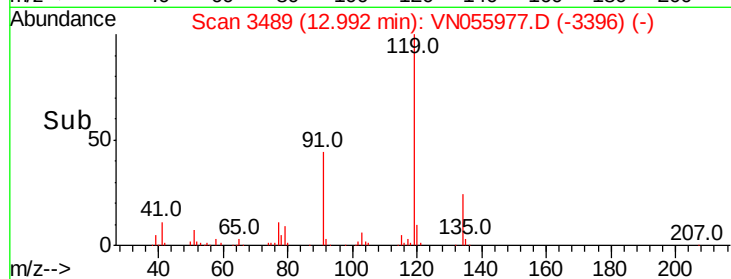
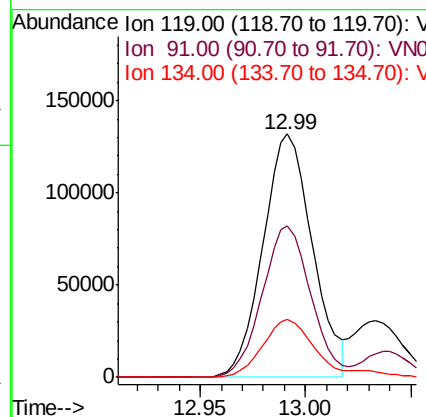
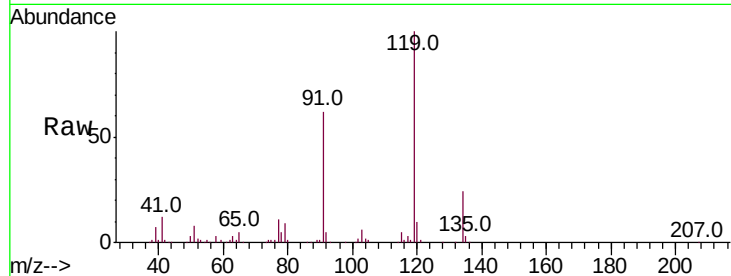
#83
 tert-Butylbenzene
 Concen: 17.832 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN055977.D
 Acq: 4 Jun 2019 9:12

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	215546		
91	61.4	30.9	92.8	
134	26.4	13.3	39.8	

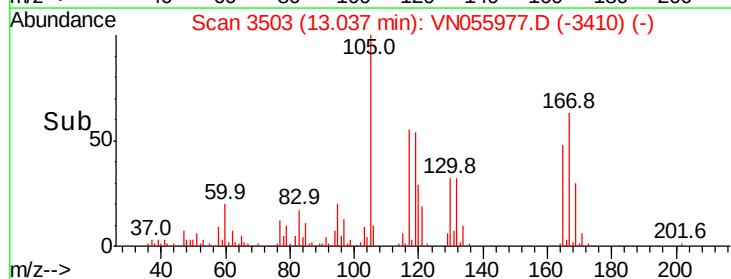
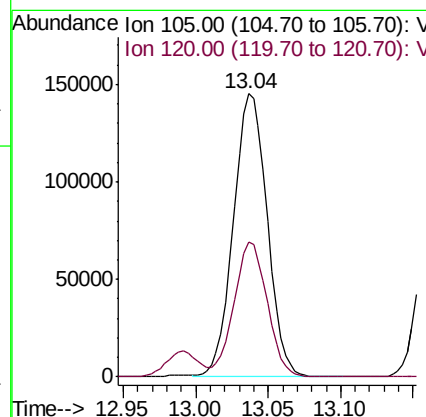
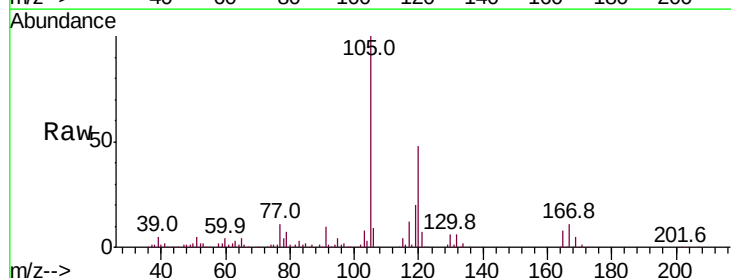
Manual Integrations
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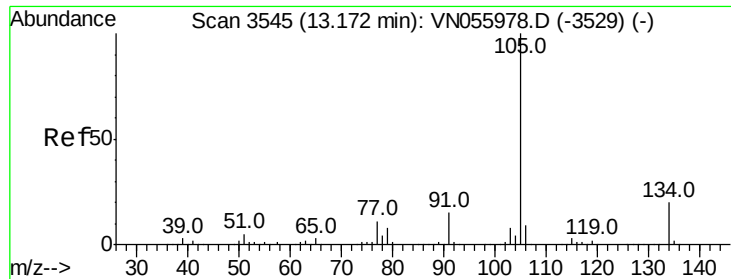
MMDadoda
 6/5/2019 4:03:30 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 19.367 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN055977.D
 Acq: 4 Jun 2019 9:12

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	234635		
120	46.6	23.0	69.0	





#85

sec-Butylbenzene

Concen: 18.734 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN055977.D

Acq: 4 Jun 2019 9:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 273208

Ion Ratio Lower Upper

105 100

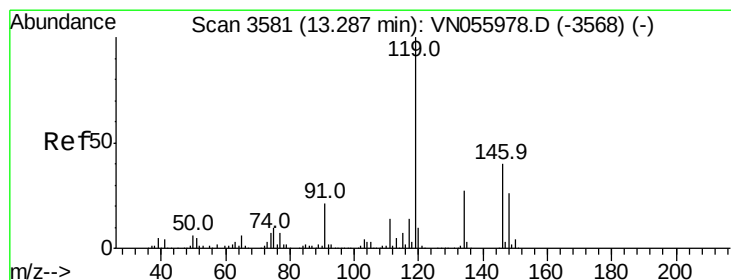
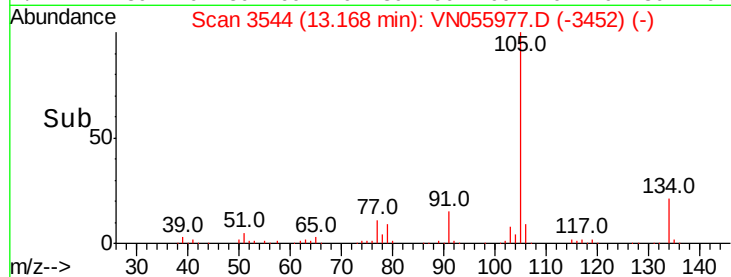
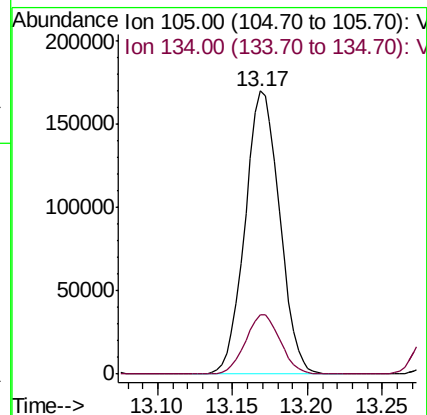
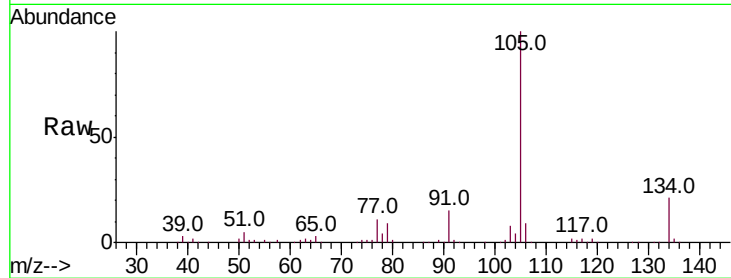
134 21.2 10.4 31.2

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 19.383 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN055977.D

Acq: 4 Jun 2019 9:12

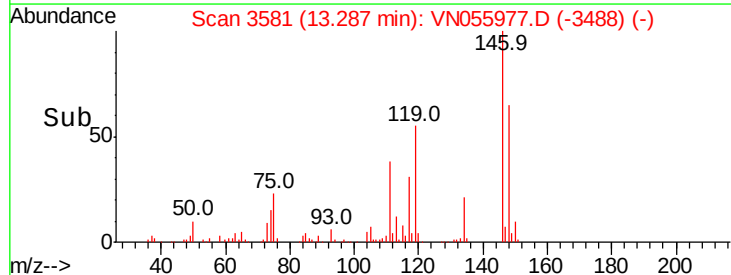
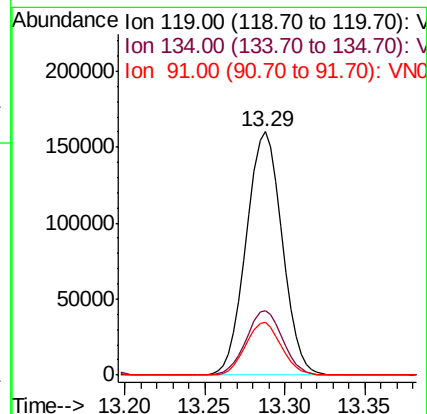
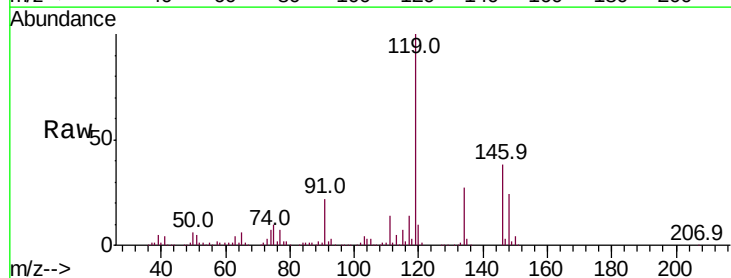
Tgt Ion:119 Resp: 245448

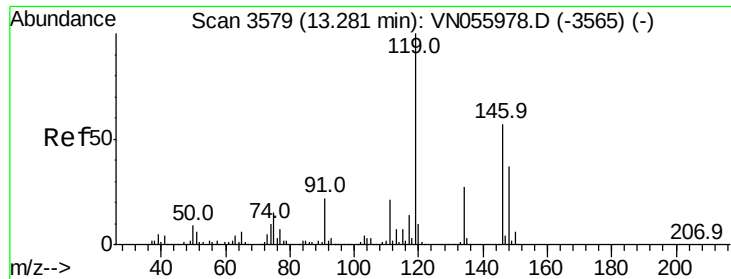
Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.1

91 21.5 10.9 32.9





#87

1,3-Dichlorobenzene

Concen: 19.891 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN055977.D

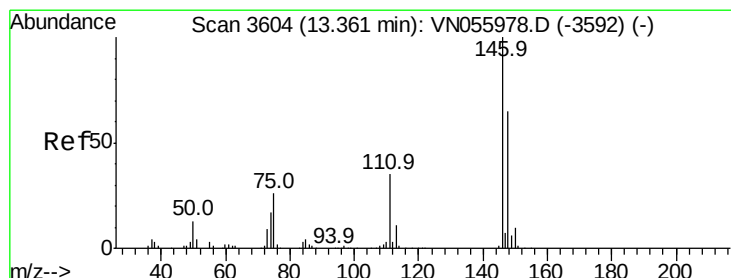
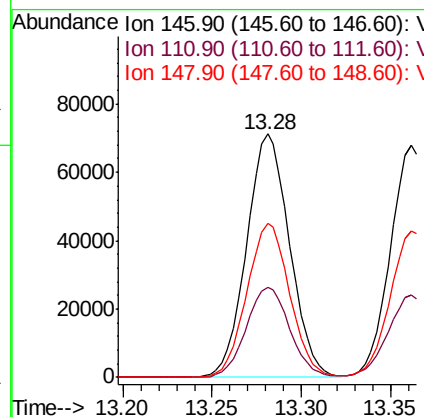
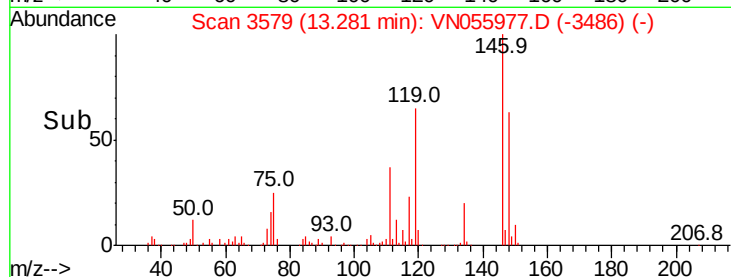
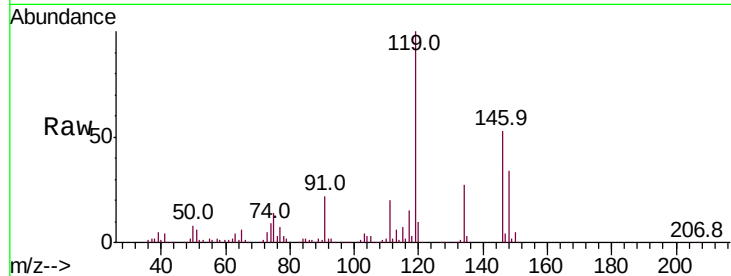
Acq: 4 Jun 2019 9:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.5	55.5
148	63.2	32.0	96.2

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 19.676 ug/l

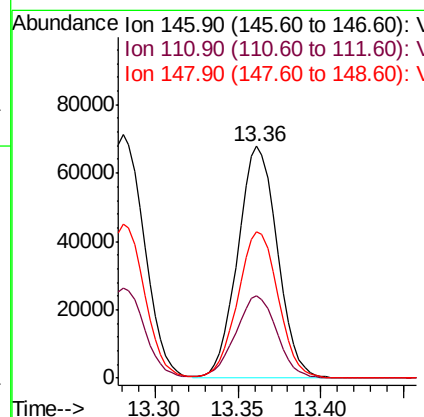
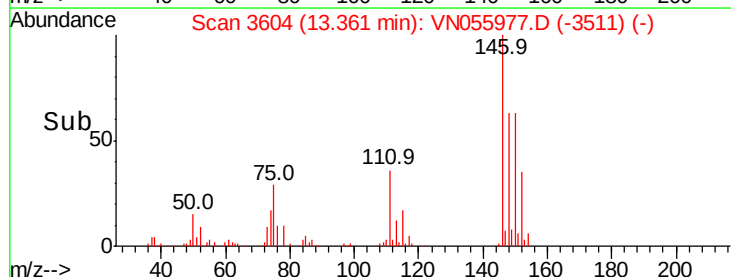
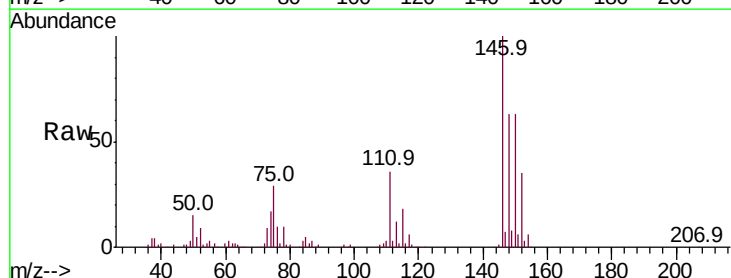
RT: 13.36 min Scan# 3604

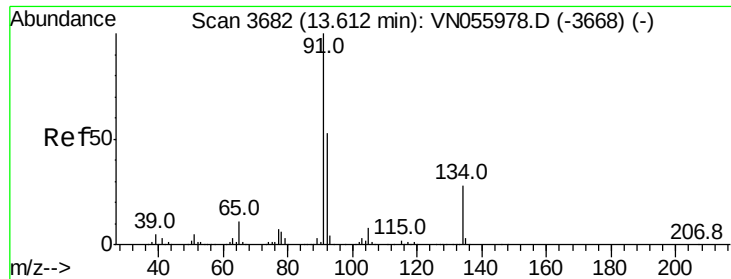
Delta R.T. -0.00 min

Lab File: VN055977.D

Acq: 4 Jun 2019 9:12

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.1	54.4
148	64.6	32.1	96.5





#89

n-Butylbenzene

Concen: 19.971 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN055977.D

Acq: 4 Jun 2019 9:12

Instrument :

MSVOA_N

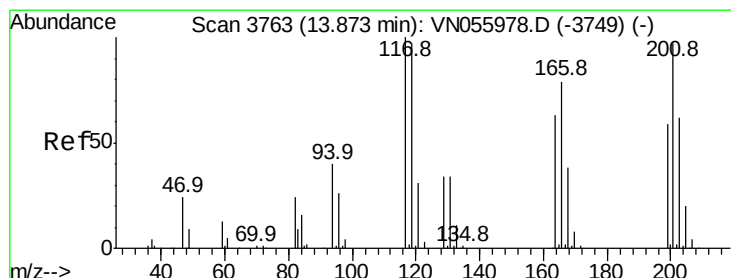
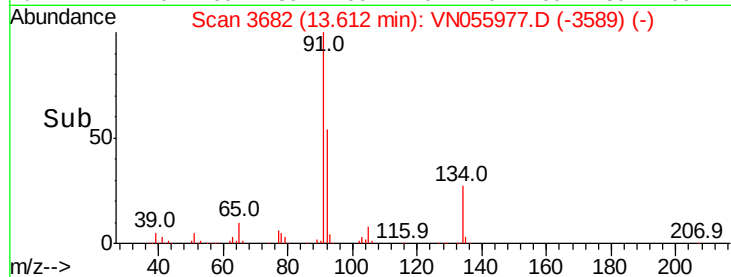
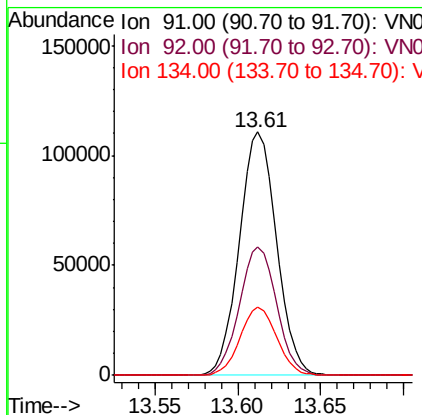
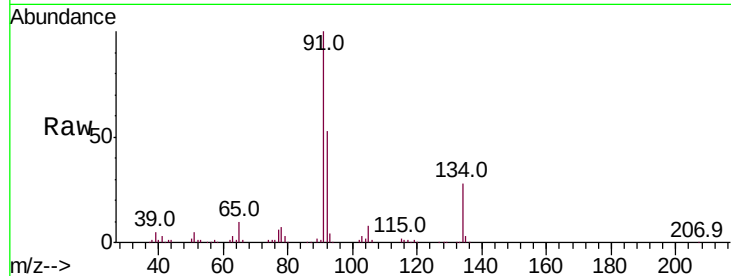
ClientSampled :

VSTDIC020

Tot Ion:	91	Resp:	173038
Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.4	79.0
134	27.6	13.9	41.7

Manual Integrations
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#90

Hexachloroethane

Concen: 19.413 ug/l

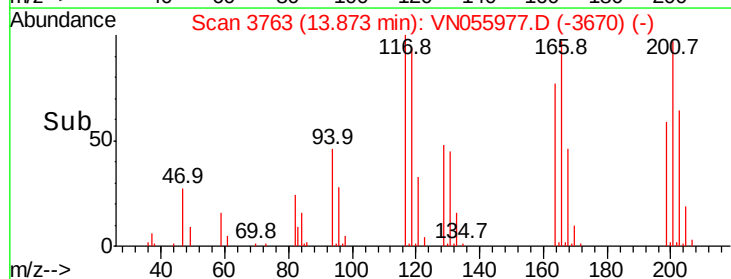
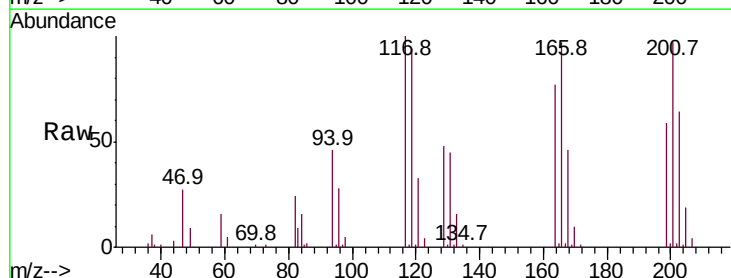
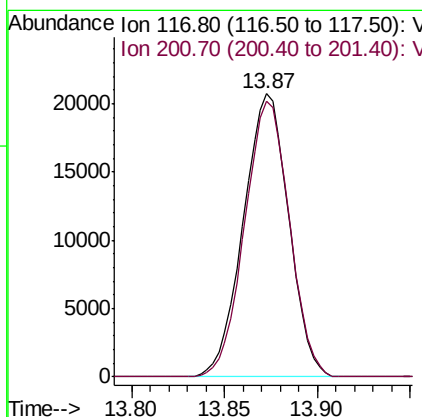
RT: 13.87 min Scan# 3763

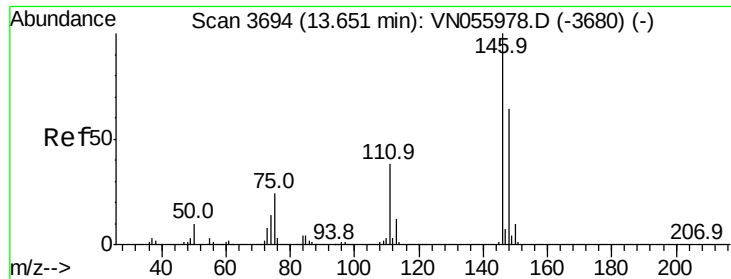
Delta R.T. -0.00 min

Lab File: VN055977.D

Acq: 4 Jun 2019 9:12

Tgt Ion:	117	Resp:	35227
Ion	Ratio	Lower	Upper
117	100		
201	96.2	50.0	150.0





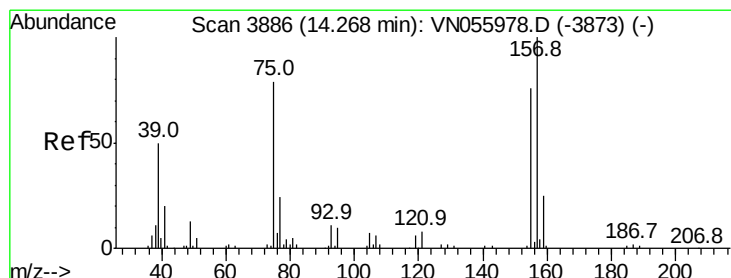
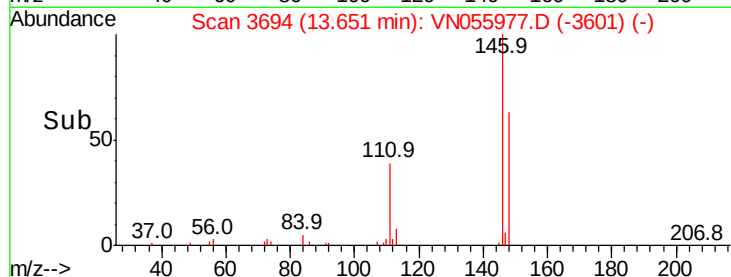
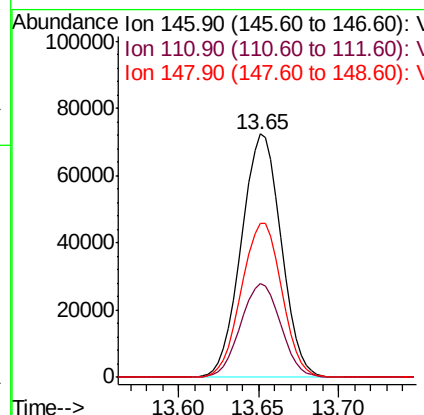
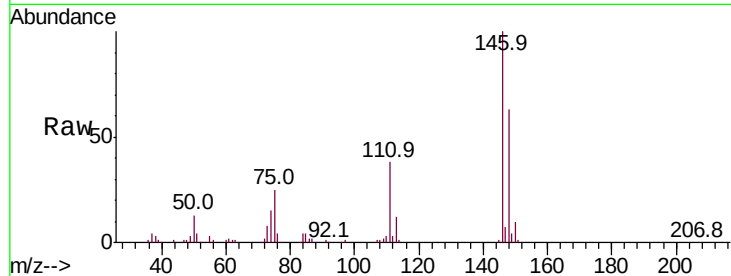
#91
 1,2-Dichlorobenzene
 Concen: 19.661 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN055977.D
 Acq: 4 Jun 2019 9:12

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	38.5	19.1	57.5	
148	64.4	31.9	95.9	

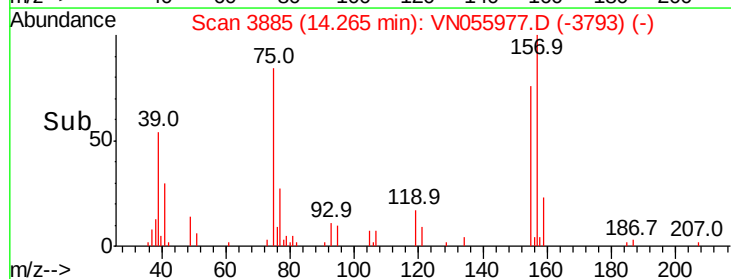
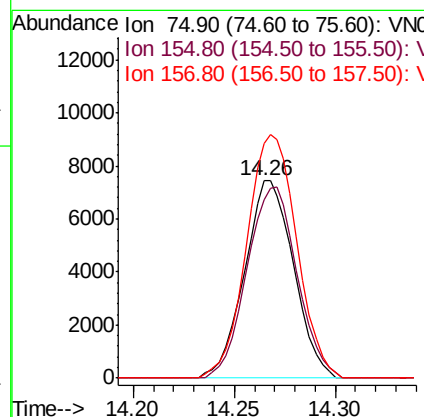
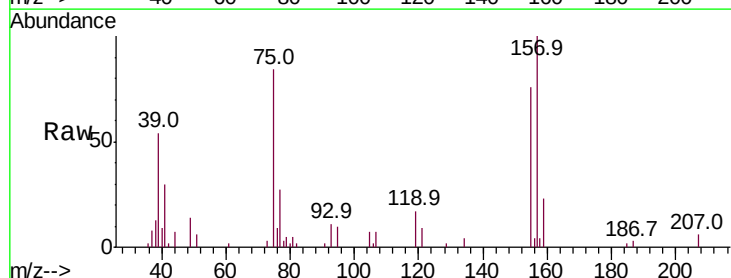
Manual Integrations
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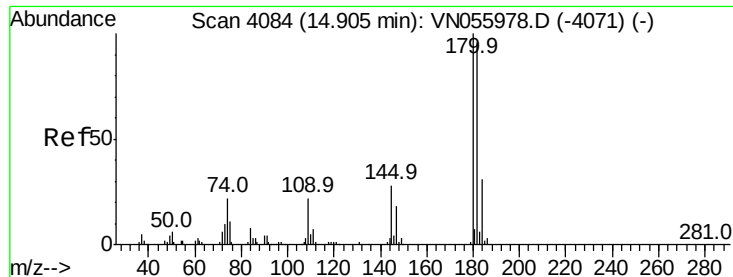
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.153 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VN055977.D
 Acq: 4 Jun 2019 9:12

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
155	98.7	50.0	150.1	
157	125.6	64.8	194.3	





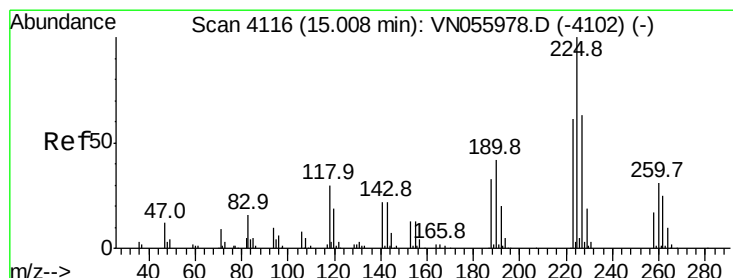
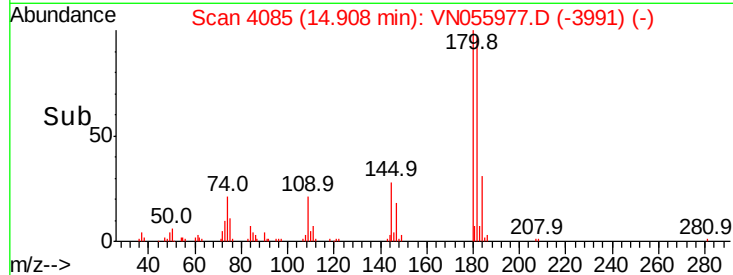
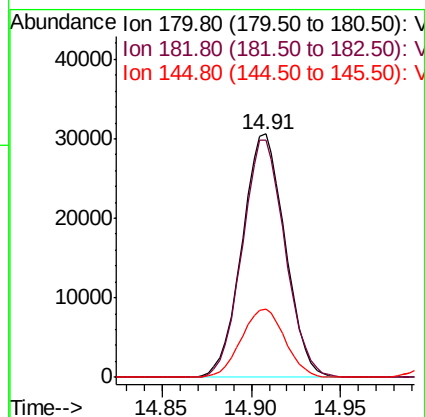
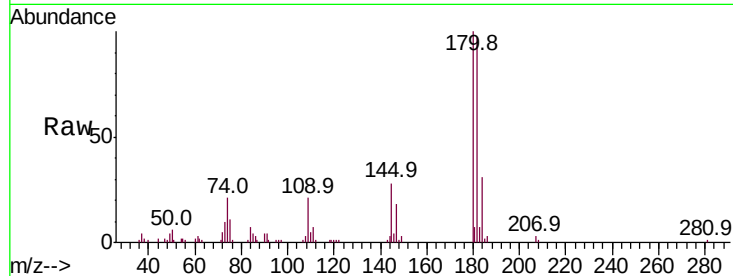
#93
 1,2,4-Trichlorobenzene
 Concen: 23.493 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055977.D
 Acq: 4 Jun 2019 9:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	97.1	48.3	144.9	
145	28.5	14.0	41.9	

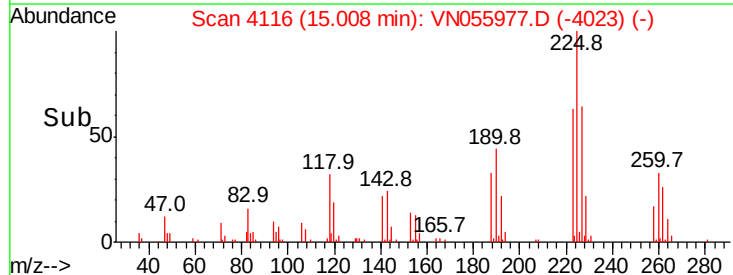
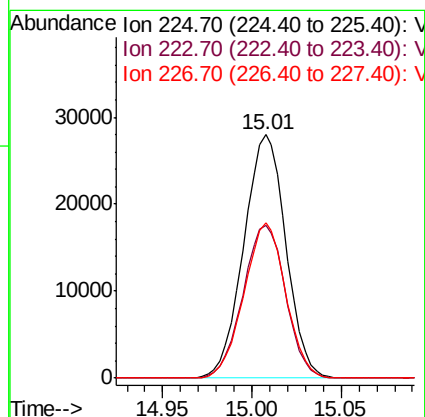
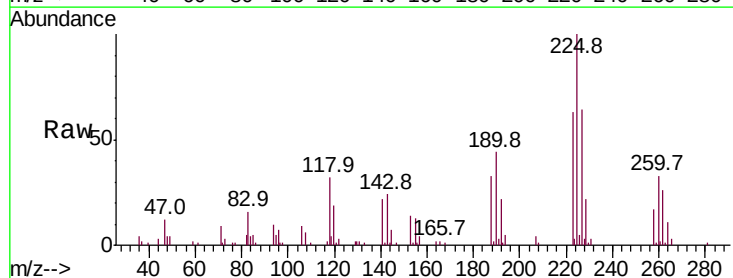
Manual Integrations
 APPROVED

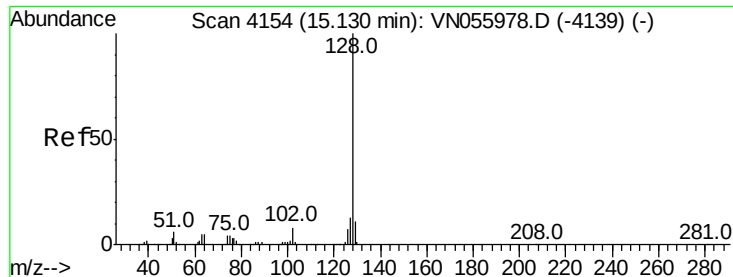
MMDadoda
 6/5/2019 4:03:30 PM



#94
 Hexachlorobutadiene
 Concen: 17.600 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN055977.D
 Acq: 4 Jun 2019 9:12

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.5	30.9	92.7	
227	63.2	31.6	94.7	





#95

Naphthalene

Concen: 23.901 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN055977.D

Acq: 4 Jun 2019 9:12

Instrument :

MSVOA_N

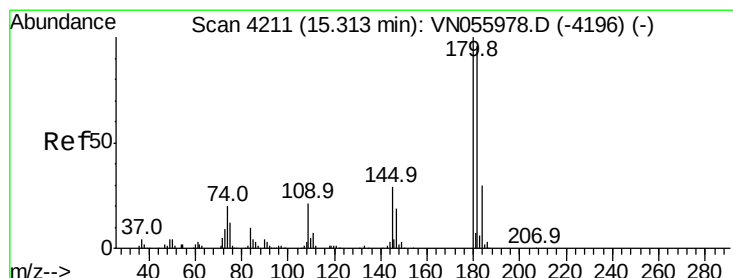
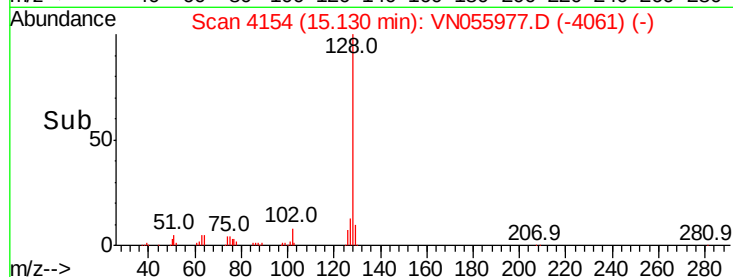
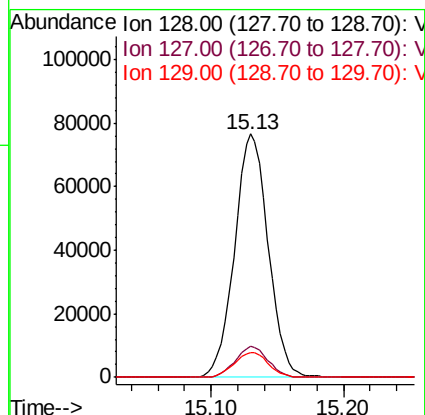
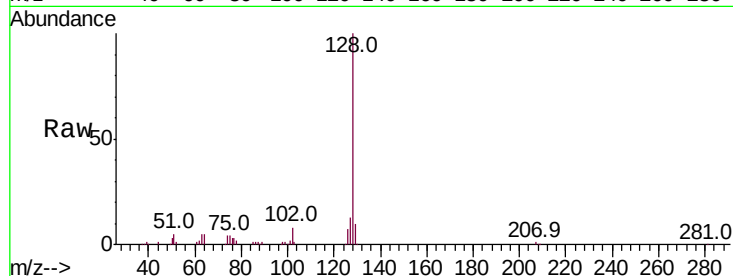
ClientSampleId :

VSTDIC020

Tot Ion:	128	Resp:	134398
Ion Ratio	Lower	Upper	
128	100		
127	12.3	10.3	15.5
129	10.4	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
6/5/2019 4:03:30 PM



#96

1,2,3-Trichlorobenzene

Concen: 23.398 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN055977.D

Acq: 4 Jun 2019 9:12

Tgt Ion:	180	Resp:	57987
Ion Ratio	Lower	Upper	
180	100		
182	95.3	47.9	143.7
145	29.2	14.9	44.7

