

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022519\
 Data File : VN053929.D
 Acq On : 25 Feb 2019 14:50
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 2/28/2019 10:48:23 AM

Quant Time: Feb 28 04:23:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022519W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 28 02:58:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	625419	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1049862	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	888193	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	351591	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	40787	5.56	ug/l	0.00
Spiked Amount			Recovery	=	11.12%	
35) Dibromofluoromethane	7.59	113	34703	5.11	ug/l	0.00
Spiked Amount			Recovery	=	10.22%	
50) Toluene-d8	10.09	98	124854	4.94	ug/l	0.00
Spiked Amount			Recovery	=	9.88%	
62) 4-Bromofluorobenzene	12.40	95	40665	4.83	ug/l	0.00
Spiked Amount			Recovery	=	9.66%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	30529	5.304	ug/l	98
3) Chloromethane	2.06	50	42476	5.320	ug/l	96
4) Vinyl Chloride	2.19	62	43526	5.441	ug/l	97
5) Bromomethane	2.57	94	33291	6.284	ug/l	93
6) Chloroethane	2.71	64	25730	5.172	ug/l	96
7) Trichlorofluoromethane	3.02	101	55319	5.413	ug/l	97
8) Diethyl Ether	3.41	74	19956	5.212	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	3.76	101	35005	5.423	ug/l	97
10) Methyl Iodide	3.95	142	34950	4.121	ug/l	98
11) Tert butyl alcohol	4.78	59	11959	25.732	ug/l #	90
12) 1,1-Dichloroethene	3.74	96	33103	5.362	ug/l	93
13) Acrolein	3.61	56	16856	35.030	ug/l	99
14) Allyl chloride	4.33	41	52733	4.870	ug/l	91
15) Acrylonitrile	4.99	53	63759	26.029	ug/l	98
16) Acetone	3.82	43	54624	25.408	ug/l	98
17) Carbon Disulfide	4.06	76	108338	5.439	ug/l	100
18) Methyl Acetate	4.33	43	25813	5.035	ug/l	97
19) Methyl tert-butyl Ether	5.05	73	85658	5.172	ug/l	98
20) Methylene Chloride	4.55	84	39477	5.441	ug/l	94
21) trans-1,2-Dichloroethene	5.05	96	36687	5.490	ug/l	98
22) Diisopropyl ether	5.95	45	106221	5.085	ug/l #	86
23) Vinyl Acetate	5.90	43	376909	25.080	ug/l	96
24) 1,1-Dichloroethane	5.85	63	67931	5.303	ug/l	98
25) 2-Butanone	6.84	43	74058	25.727	ug/l	96
26) 2,2-Dichloropropane	6.82	77	48010	5.275	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	40200	5.409	ug/l	93
28) Bromochloromethane	7.19	49	30981	5.283	ug/l	86
29) Tetrahydrofuran	7.22	42	49557	25.852	ug/l	92
30) Chloroform	7.37	83	64995	5.232	ug/l	99
31) Cyclohexane	7.65	56	69112	5.066	ug/l #	90
32) 1,1,1-Trichloroethane	7.57	97	53097	5.184	ug/l	96
36) 1,1-Dichloropropene	7.79	75	49374	5.057	ug/l	97
37) Ethyl Acetate	6.93	43	33520	4.808	ug/l	97
38) Carbon Tetrachloride	7.77	117	50243	4.948	ug/l	95

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Manual Integrations
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 Quant Title : SW846 8260
 QLast Update : Thu Feb 28 02:58:29 2019
 Response via : Initial Calibration

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

39) Methylcyclohexane	9.08	83	57115	4.854	ug/l	95
40) Benzene	8.04	78	147947	4.933	ug/l	98
41) Methacrylonitrile	7.19	41	21474m	4.784	ug/l	
42) 1,2-Dichloroethane	8.12	62	47693	5.136	ug/l	100
43) Isopropyl Acetate	8.17	43	60934	5.177	ug/l #	89
44) Trichloroethene	8.83	130	39065	4.913	ug/l	93
45) 1,2-Dichloropropane	9.12	63	40471	5.001	ug/l	98
46) Dibromomethane	9.21	93	23960	5.100	ug/l	91
47) Bromodichloromethane	9.40	83	48488	4.898	ug/l	96
48) Methyl methacrylate	9.20	41	25002	4.618	ug/l	93
49) 1,4-Dioxane	9.20	88	7127	97.190	ug/l	93
51) 4-Methyl-2-Pentanone	9.99	43	146095	24.154	ug/l	96
52) Toluene	10.16	92	86999	4.926	ug/l	96
53) t-1,3-Dichloropropene	10.38	75	44914	4.662	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	53258	4.690	ug/l	93
55) 1,1,2-Trichloroethane	10.56	97	33230	5.038	ug/l	98
56) Ethyl methacrylate	10.43	69	34211	4.433	ug/l #	87
57) 1,3-Dichloropropane	10.71	76	55471	4.978	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	71470	20.974	ug/l	96
59) 2-Hexanone	10.75	43	90669	23.048	ug/l	92
60) Dibromochloromethane	10.90	129	34015	4.640	ug/l	99
61) 1,2-Dibromoethane	11.01	107	31222	4.907	ug/l	98
64) Tetrachloroethene	10.63	164	39229	5.216	ug/l	98
65) Chlorobenzene	11.43	112	95375	5.088	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	32648	4.833	ug/l	96
67) Ethyl Benzene	11.51	91	156683	4.986	ug/l	99
68) m/p-Xylenes	11.62	106	115070	9.702	ug/l	95
69) o-Xylene	11.95	106	57712	4.952	ug/l	97
70) Styrene	11.96	104	84983	4.741	ug/l	98
71) Bromoform	12.13	173	22048	4.691	ug/l #	97
73) Isopropylbenzene	12.25	105	152128	5.558	ug/l	99
74) N-amyl acetate	12.07	43	36442	5.080	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.51	83	38540	5.631	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	30342m	5.380	ug/l	
77) Bromobenzene	12.53	156	37403	5.383	ug/l	91
78) n-propylbenzene	12.59	91	165148	5.306	ug/l	97
79) 2-Chlorotoluene	12.67	91	101702	5.439	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	120922	5.397	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	8719	4.886	ug/l	87
82) 4-Chlorotoluene	12.77	91	101081	5.470	ug/l	96
83) tert-Butylbenzene	12.99	119	109524	5.527	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	117695	5.262	ug/l	99
85) sec-Butylbenzene	13.17	105	150939	5.577	ug/l	99
86) p-Isopropyltoluene	13.29	119	122132	5.338	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	64374	5.355	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	61457	5.270	ug/l	91
89) n-Butylbenzene	13.62	91	96053	4.981	ug/l	97
90) Hexachloroethane	13.87	117	23956	5.403	ug/l	94
91) 1,2-Dichlorobenzene	13.65	146	62444	5.366	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	5122	5.296	ug/l	87

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ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

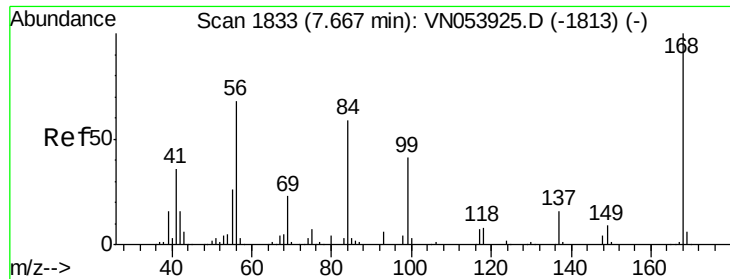
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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	23465	4.248	ug/l	98
94) Hexachlorobutadiene	15.01	225	23334	5.551	ug/l	95
95) Naphthalene	15.13	128	46922	4.102	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	26044	4.696	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053929.D

Acq: 25 Feb 2019 14:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 625419

Ion Ratio Lower Upper

168 100

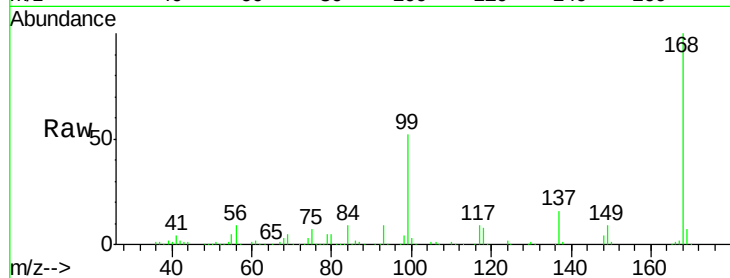
99 50.7 36.9 55.3

Manual Integrations

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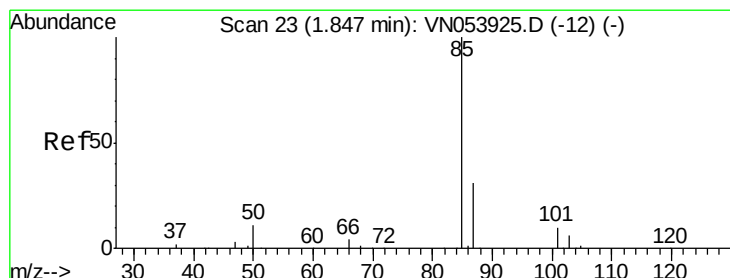
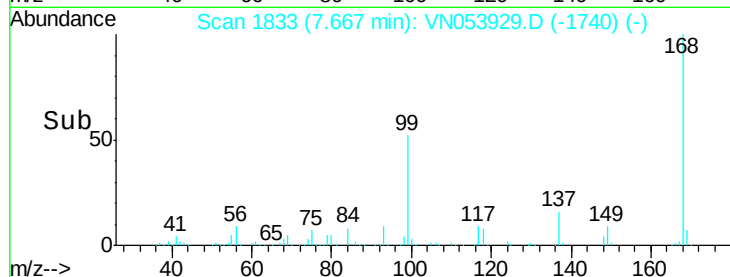
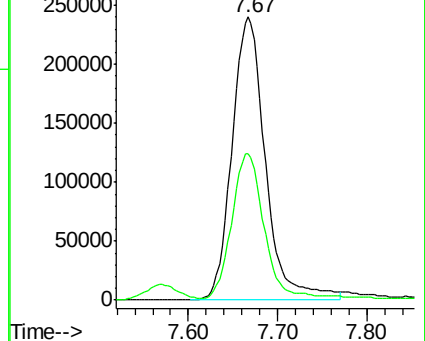
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 5.304 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN053929.D

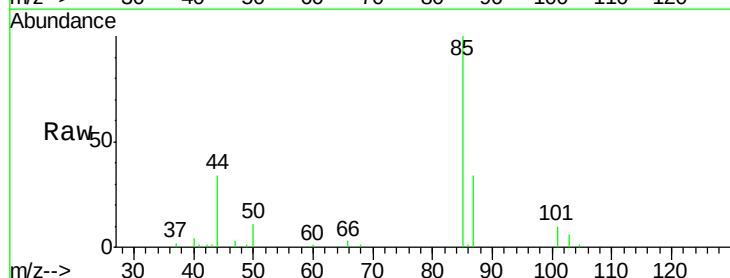
Acq: 25 Feb 2019 14:50

Tgt Ion: 85 Resp: 30529

Ion Ratio Lower Upper

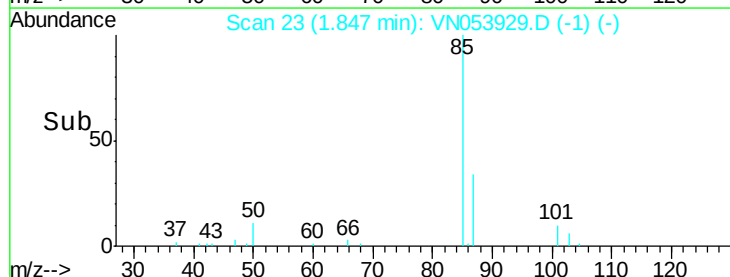
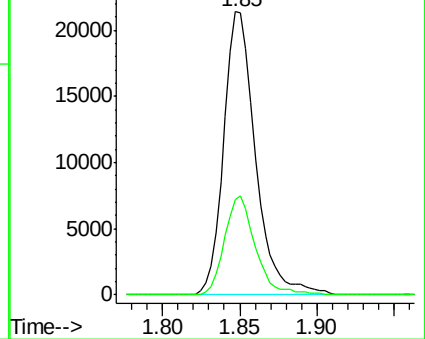
85 100

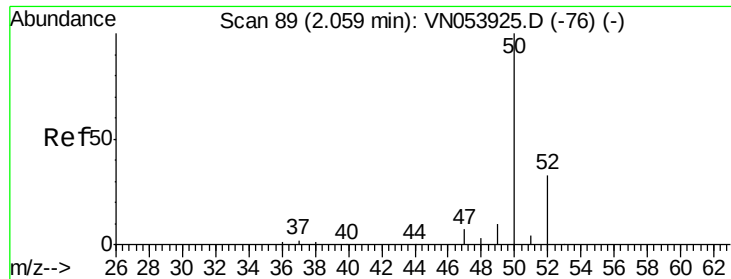
87 33.6 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 5.320 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN053929.D

Acq: 25 Feb 2019 14:50

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion: 50 Resp: 42476

Ion Ratio Lower Upper

50 100

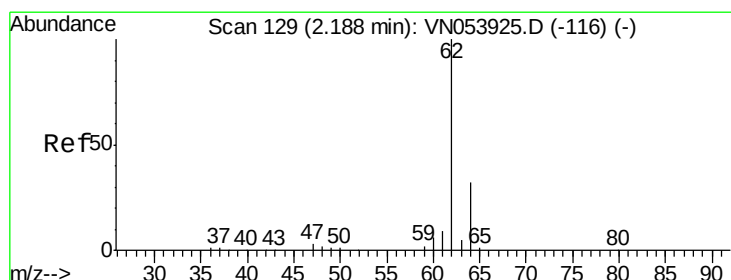
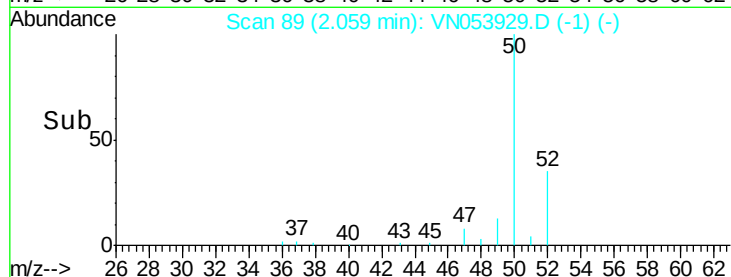
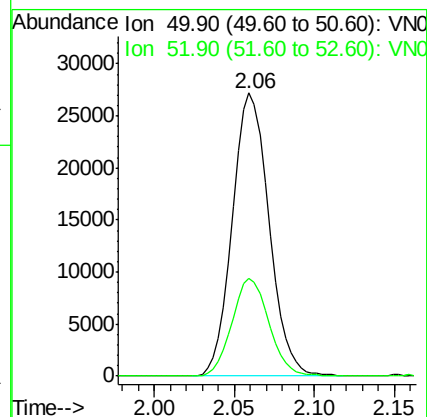
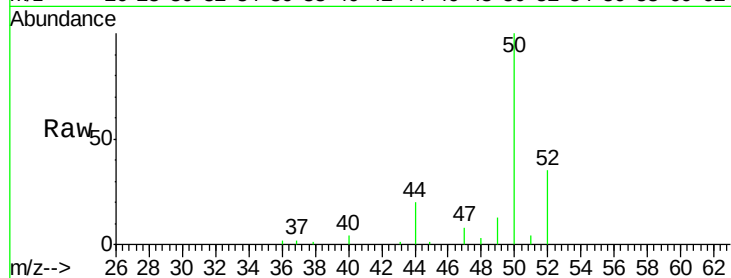
52 34.5 26.0 39.0

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#4

Vinyl Chloride

Concen: 5.441 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN053929.D

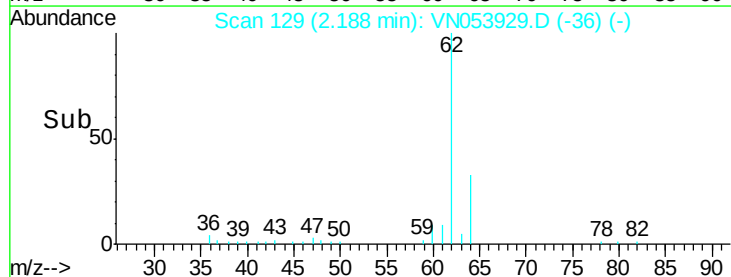
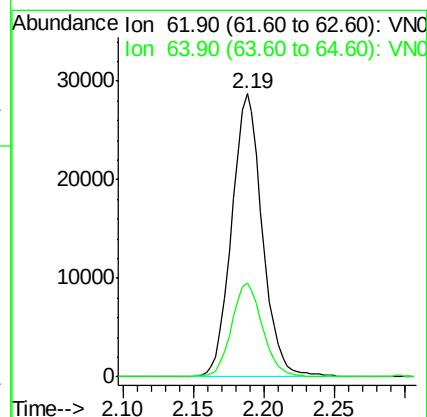
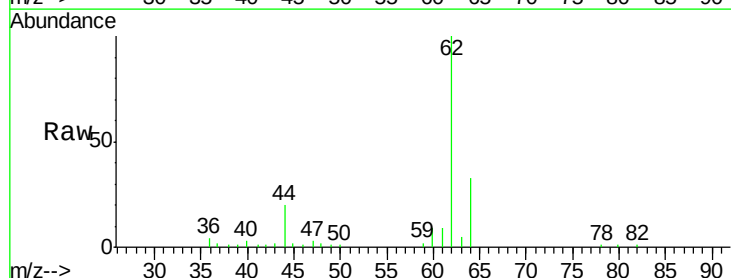
Acq: 25 Feb 2019 14:50

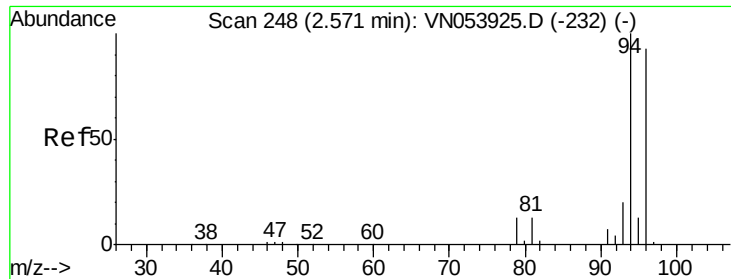
Tgt Ion: 62 Resp: 43526

Ion Ratio Lower Upper

62 100

64 33.1 25.1 37.7





#5

Bromomethane

Concen: 6.284 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.00 min

Lab File: VN053929.D

Acq: 25 Feb 2019 14:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 33291

Ion Ratio Lower Upper

94 100

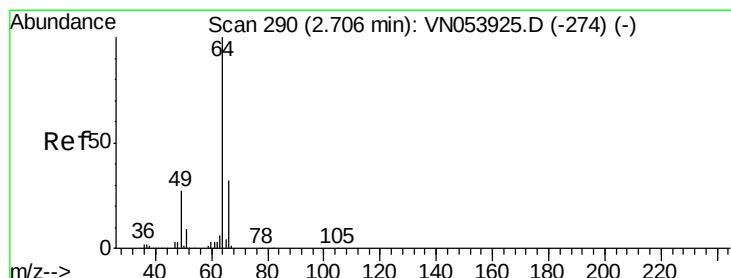
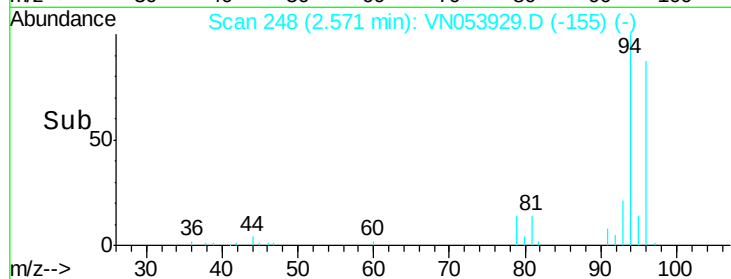
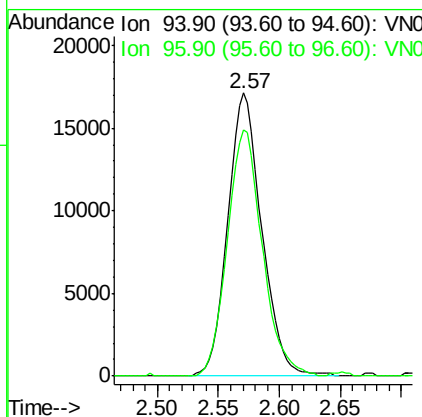
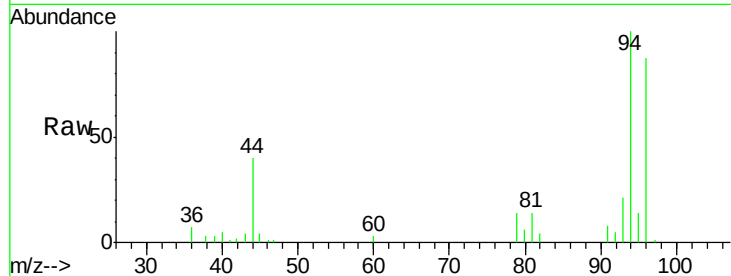
96 86.9 74.9 112.3

Manual Integrations

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#6

Chloroethane

Concen: 5.172 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN053929.D

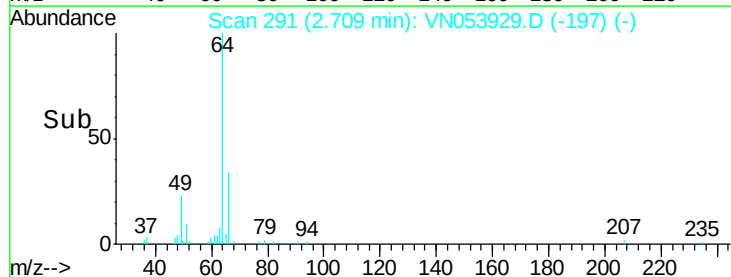
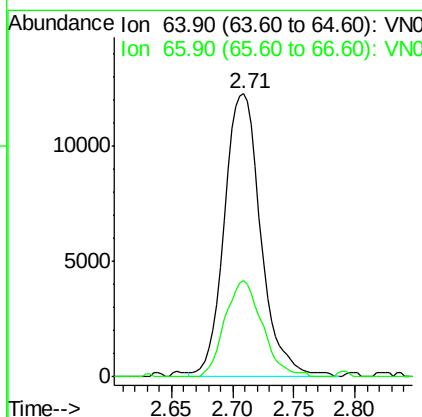
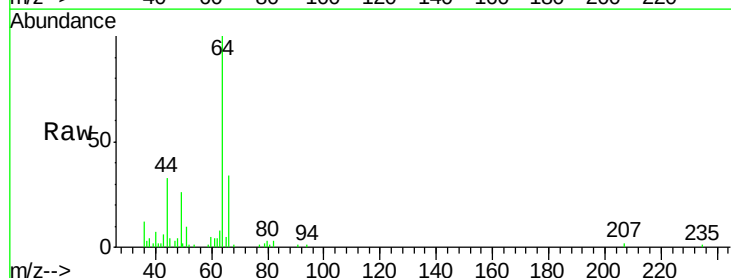
Acq: 25 Feb 2019 14:50

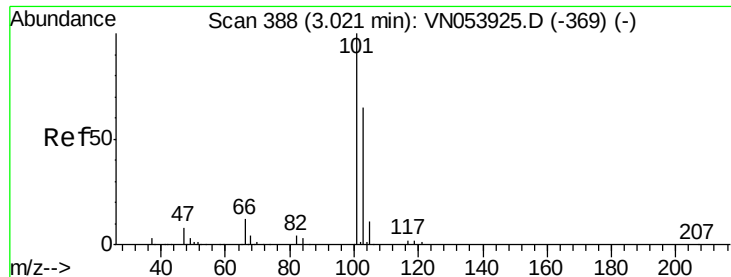
Tgt Ion: 64 Resp: 25730

Ion Ratio Lower Upper

64 100

66 34.0 25.5 38.3





#7

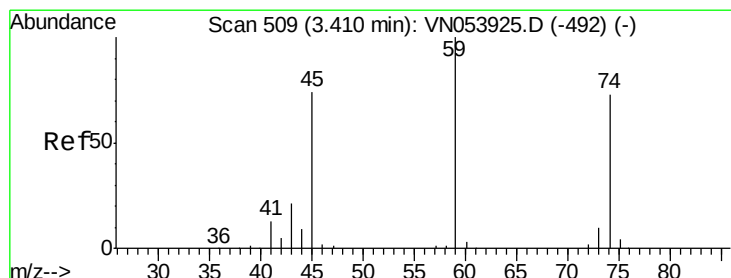
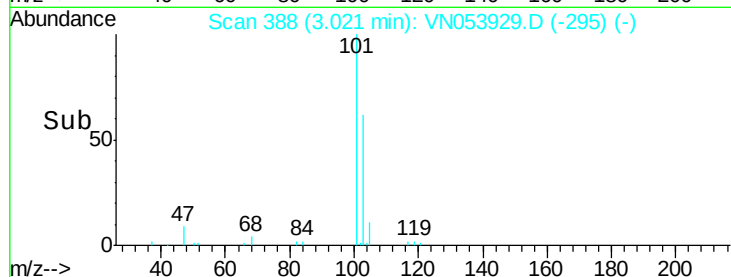
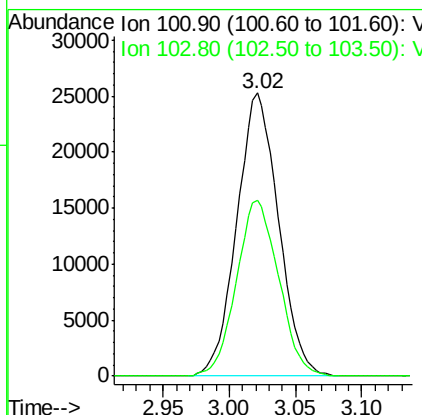
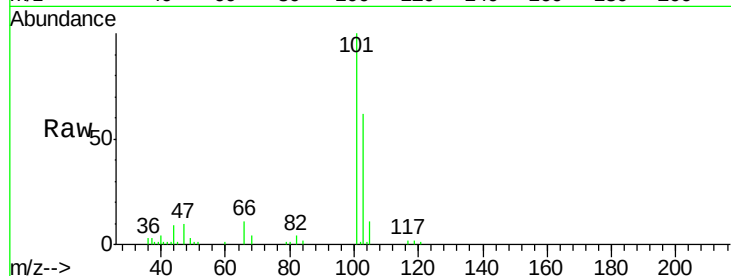
Trichlorofluoromethane
 Concen: 5.413 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. 0.00 min
 Lab File: VN053929.D
 Acq: 25 Feb 2019 14:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.4	51.9	77.9

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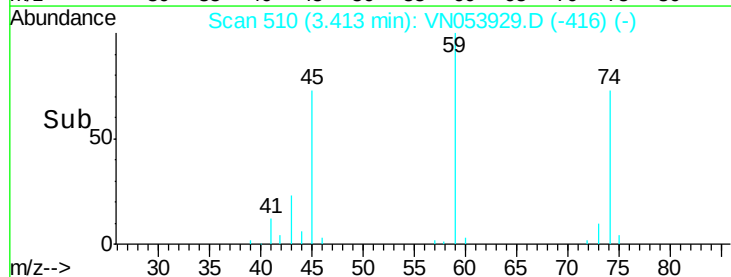
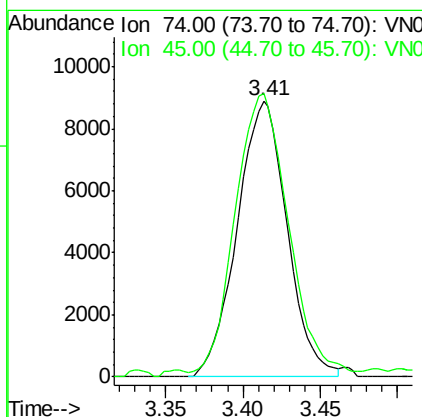
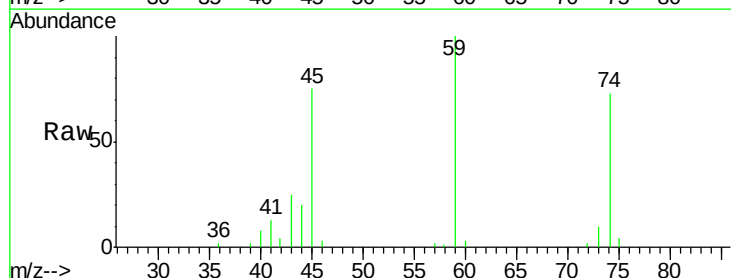
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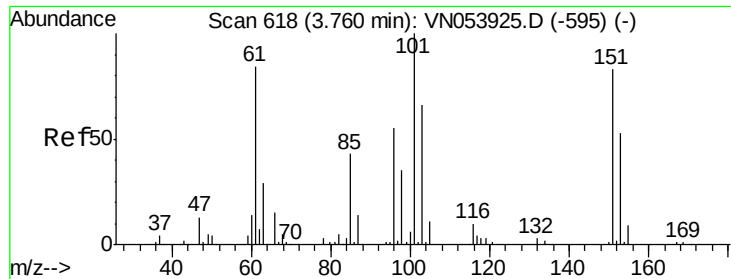


#8

Diethyl Ether
 Concen: 5.212 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN053929.D
 Acq: 25 Feb 2019 14:50

Tgt Ion	Ratio	Lower	Upper
74	100		
45	105.2	46.9	140.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.423 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN053929.D

Acq: 25 Feb 2019 14:50

Instrument :

MSVOA_N

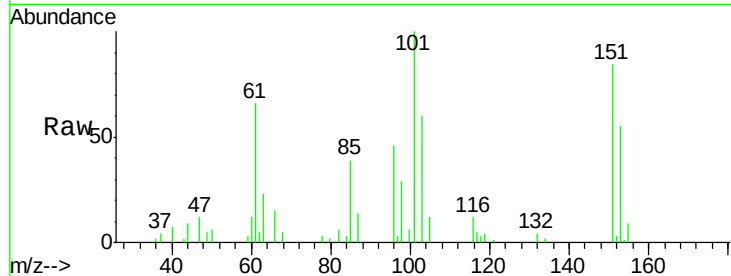
ClientSampled :

VSTDIC005

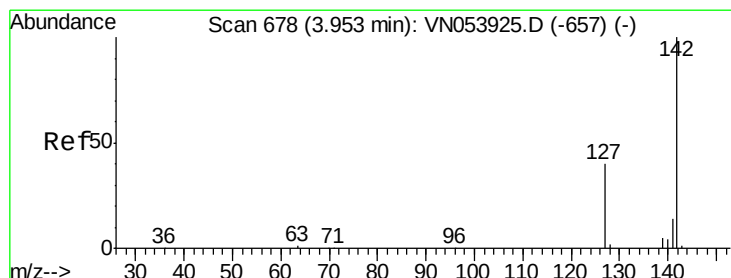
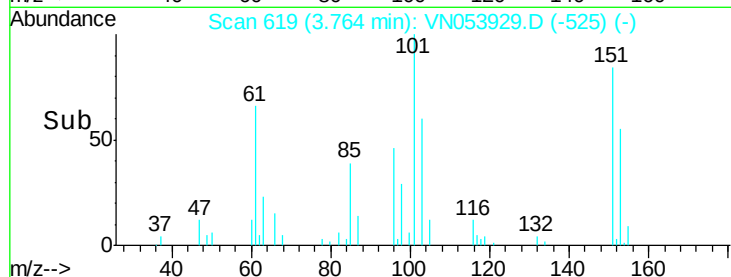
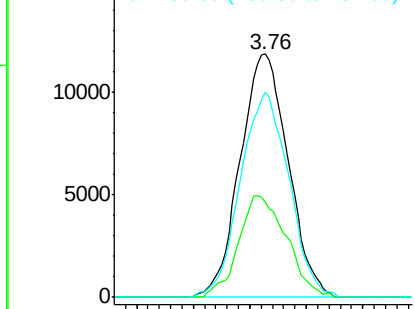
Tot Ion:	101	Resp:	35005
Ion Ratio	Lower	Upper	
101	100		
85	41.6	32.5	48.7
151	84.9	70.2	105.2

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 4.121 ug/l

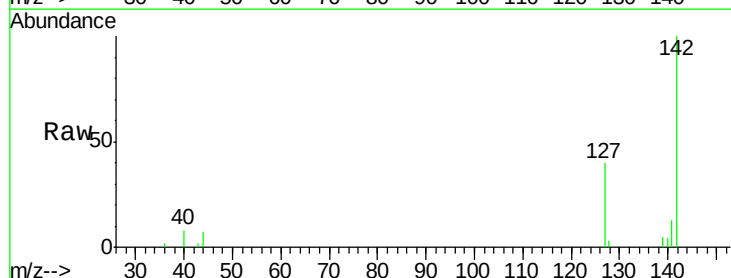
RT: 3.95 min Scan# 678

Delta R.T. 0.00 min

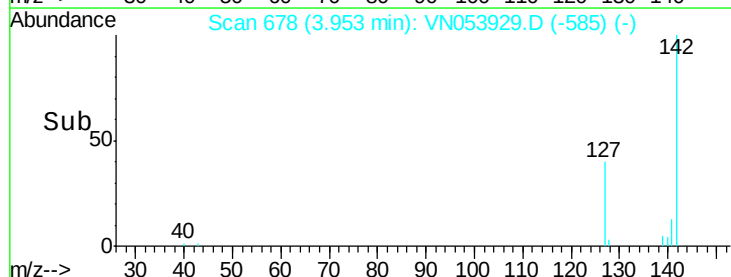
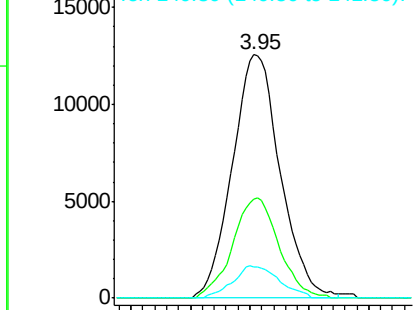
Lab File: VN053929.D

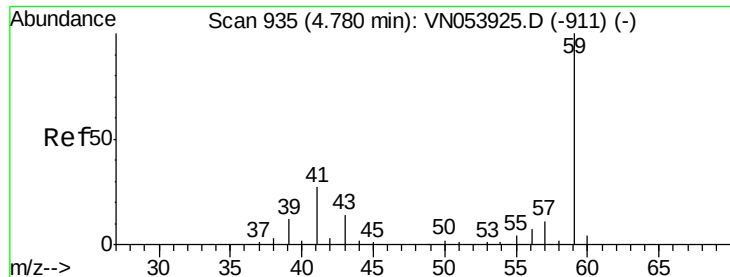
Acq: 25 Feb 2019 14:50

Tgt Ion:	142	Resp:	34950
Ion Ratio	Lower	Upper	
142	100		
127	39.7	31.0	46.4
141	12.8	11.3	16.9



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





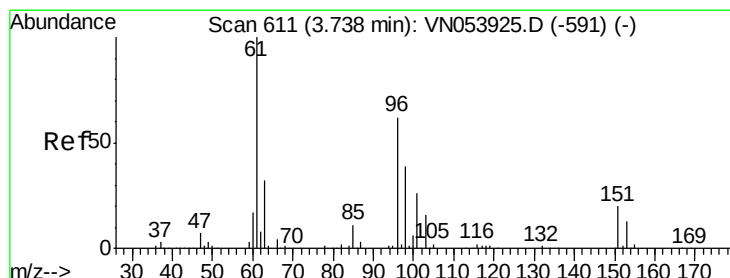
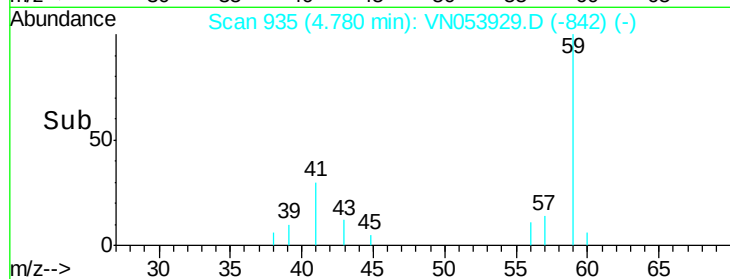
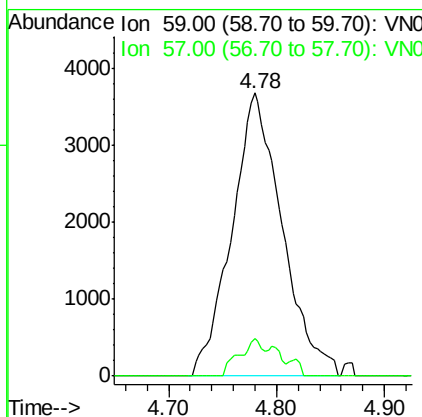
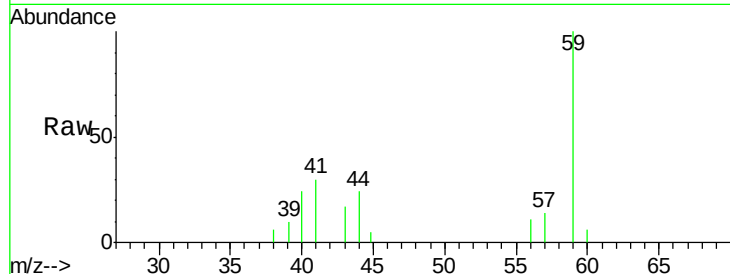
#11
Tert butyl alcohol
Concen: 25.732 ug/l
RT: 4.78 min Scan# 935
Delta R.T. 0.00 min
Lab File: VN053929.D
Acq: 25 Feb 2019 14:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
59	100		
57	6.3	8.1	12.1#

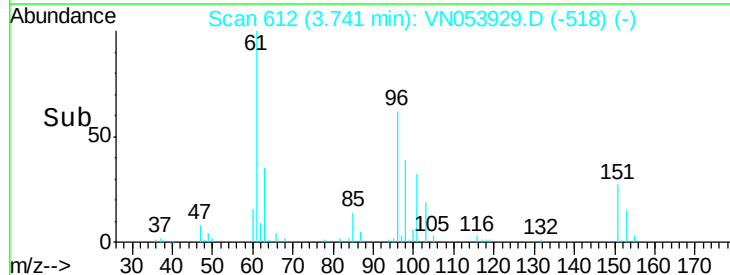
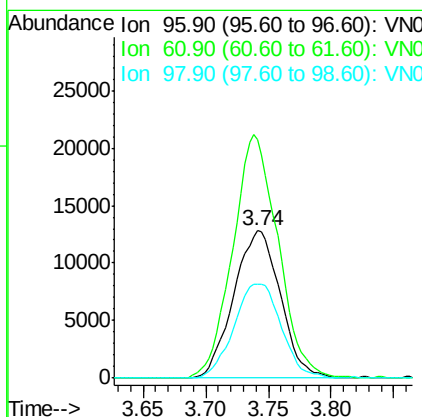
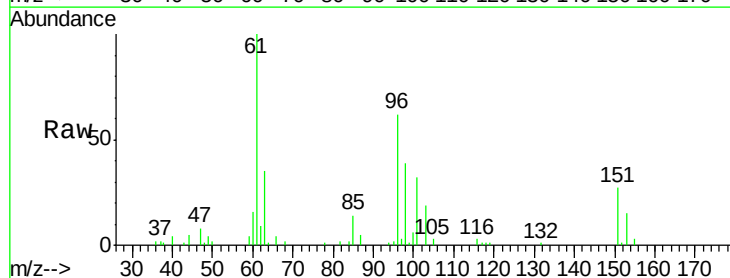
Manual Integrations
APPROVED

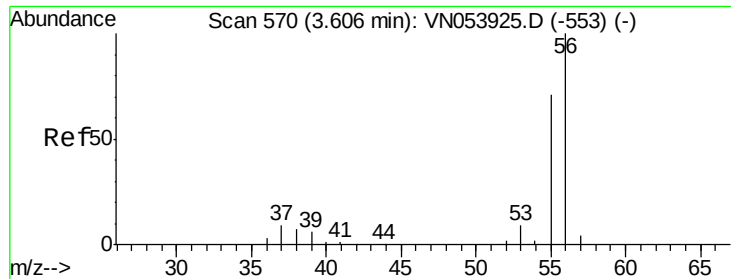
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#12
1,1-Dichloroethene
Concen: 5.362 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN053929.D
Acq: 25 Feb 2019 14:50

Tgt Ion	Ratio	Lower	Upper
96	100		
61	162.0	121.0	181.4
98	63.3	52.2	78.2





#13

Acrolein

Concen: 35.030 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN053929.D

Acq: 25 Feb 2019 14:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 16856

Ion Ratio Lower Upper

56 100

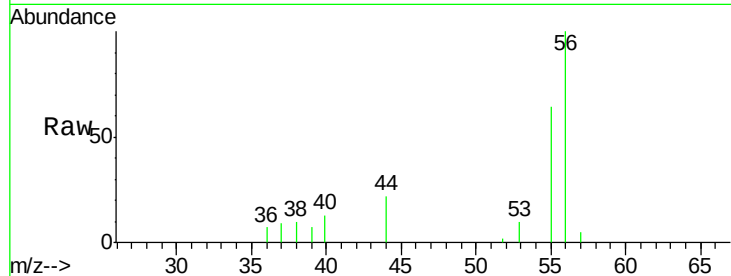
55 71.5 56.3 84.5

Manual Integrations

APPROVED

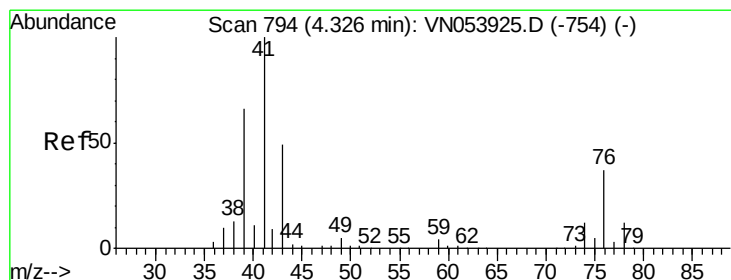
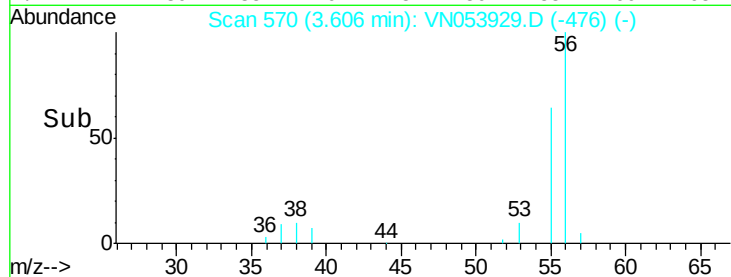
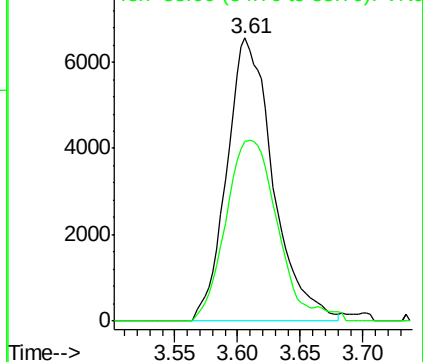
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 4.870 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN053929.D

Acq: 25 Feb 2019 14:50

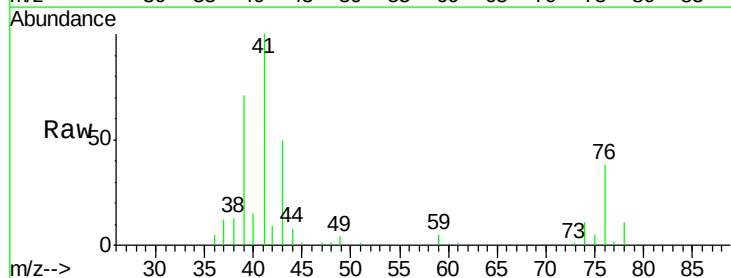
Tgt Ion: 41 Resp: 52733

Ion Ratio Lower Upper

41 100

39 71.2 48.8 73.2

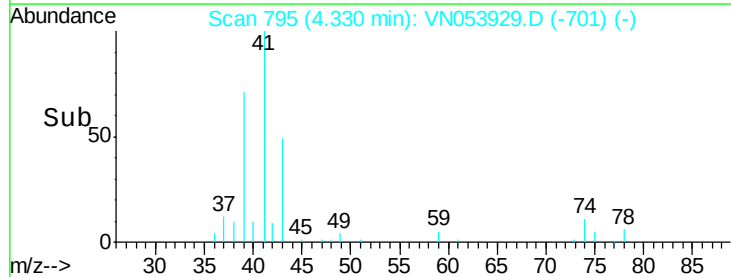
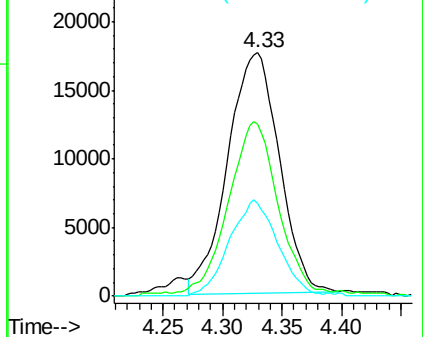
76 37.3 30.9 46.3

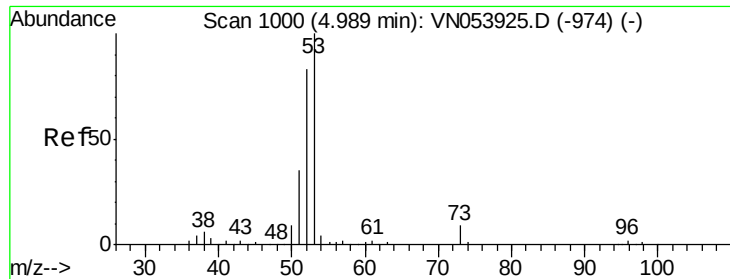


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





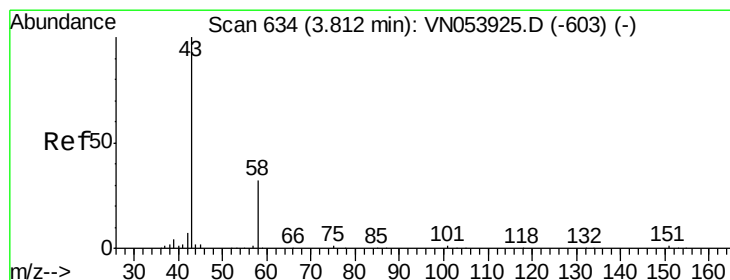
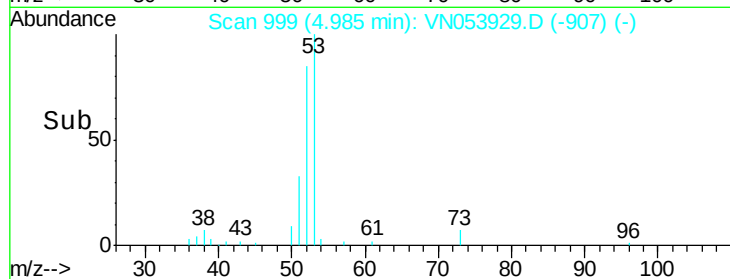
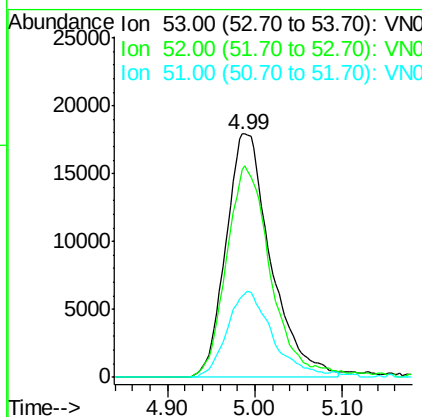
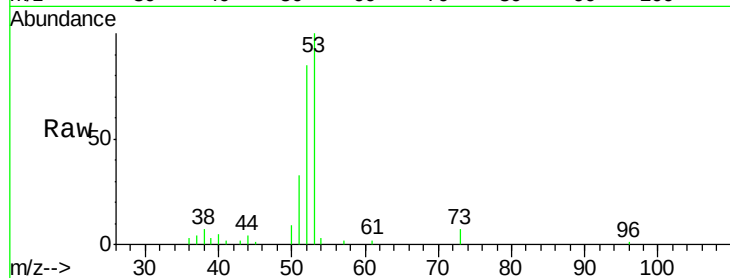
#15
 Acrylonitrile
 Concen: 26.029 ug/l
 RT: 4.99 min Scan# 999
 Delta R.T. -0.00 min
 Lab File: VN053929.D
 Acq: 25 Feb 2019 14:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
53	100		
52	83.4	65.1	97.7
51	35.7	28.2	42.4

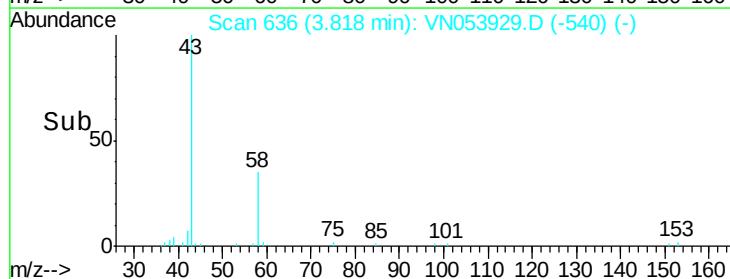
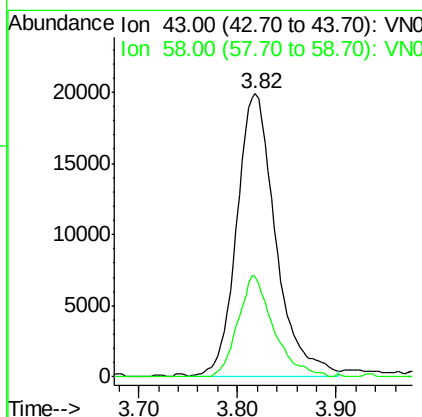
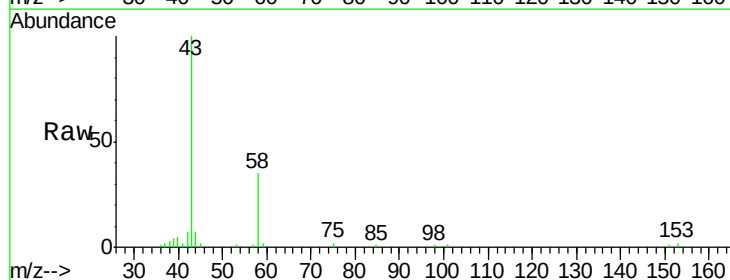
Manual Integrations
 APPROVED

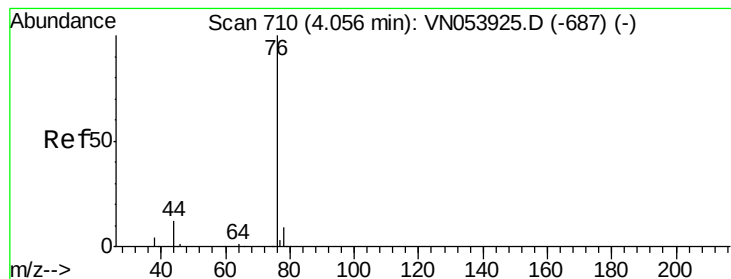
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#16
 Acetone
 Concen: 25.408 ug/l
 RT: 3.82 min Scan# 636
 Delta R.T. 0.01 min
 Lab File: VN053929.D
 Acq: 25 Feb 2019 14:50

Tgt Ion	Ratio	Lower	Upper
43	100		
58	35.5	27.6	41.4





#17

Carbon Disulfide

Concen: 5.439 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN053929.D

Acq: 25 Feb 2019 14:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 108338

Ion Ratio Lower Upper

76 100

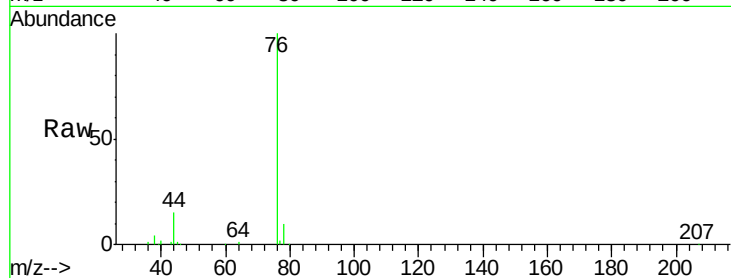
78 9.5 7.5 11.3

Manual Integrations

APPROVED

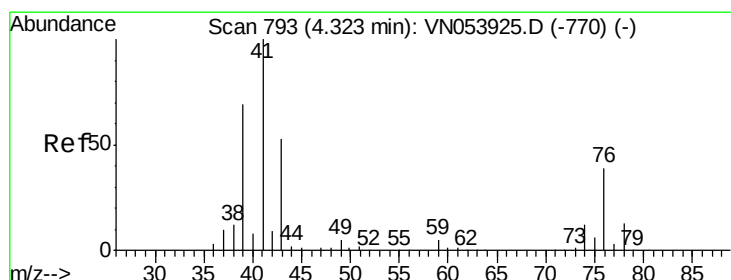
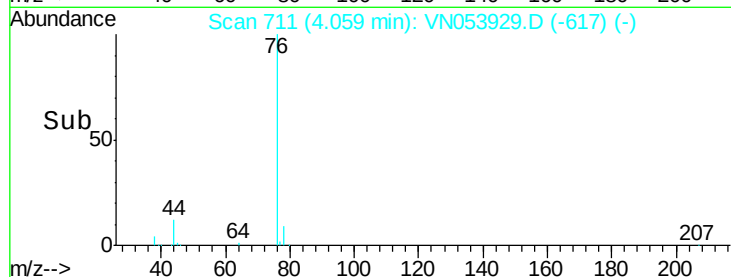
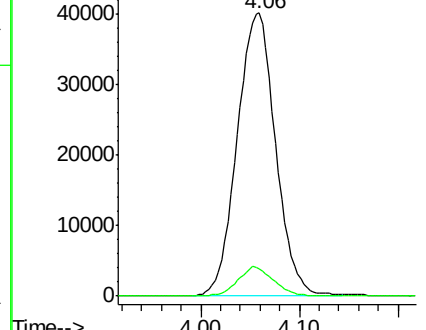
MMDadoda

2/28/2019 10:48:23 AM



Abundance Ion 75.90 (75.60 to 76.60): VN053929.D (-687) (-)

Ion 77.90 (77.60 to 78.60): VN053929.D (-687) (-)



#18

Methyl Acetate

Concen: 5.035 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053929.D

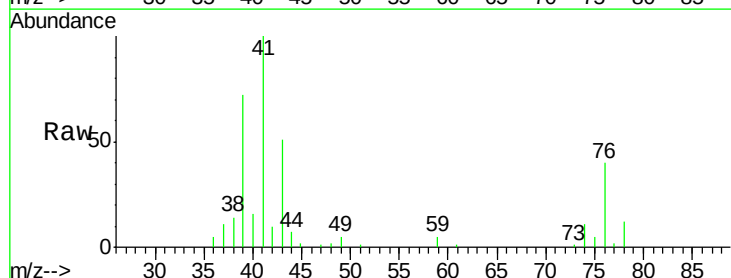
Acq: 25 Feb 2019 14:50

Tgt Ion: 43 Resp: 25813

Ion Ratio Lower Upper

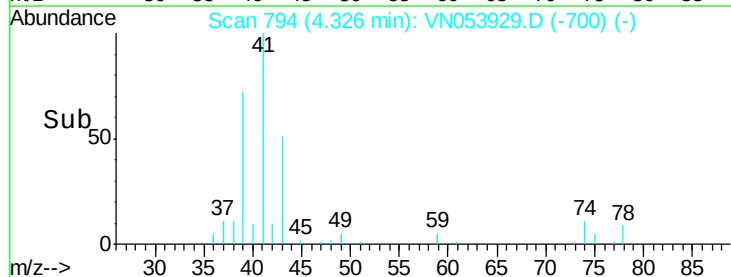
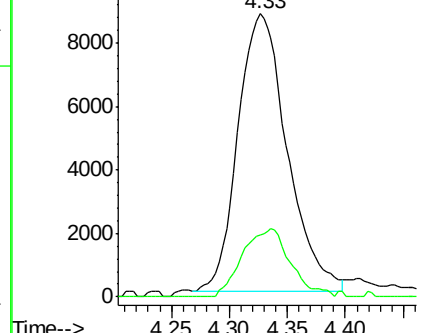
43 100

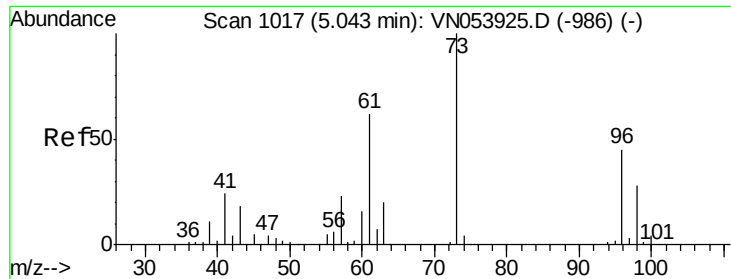
74 24.0 20.5 30.7



Abundance Ion 43.00 (42.70 to 43.70): VN053929.D (-770) (-)

Ion 74.00 (73.70 to 74.70): VN053929.D (-770) (-)





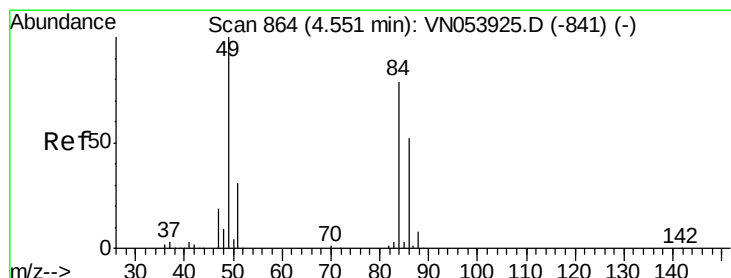
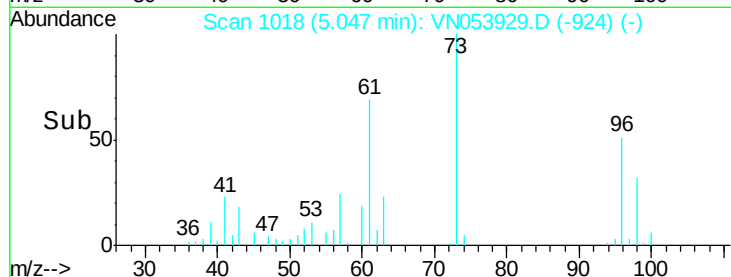
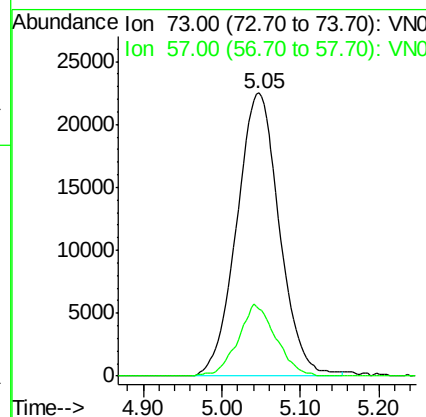
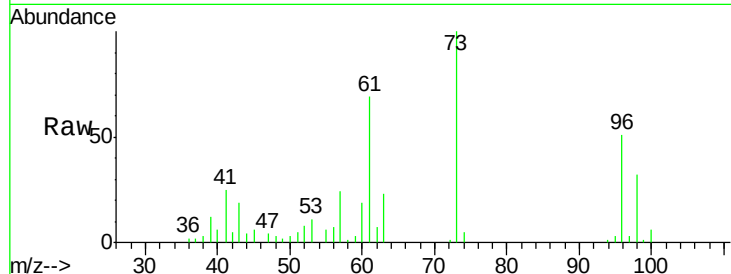
#19
Methyl tert-butyl Ether
Concen: 5.172 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053929.D
Acq: 25 Feb 2019 14:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 73 Resp: 85658
Ion Ratio Lower Upper
73 100
57 23.7 18.0 27.0

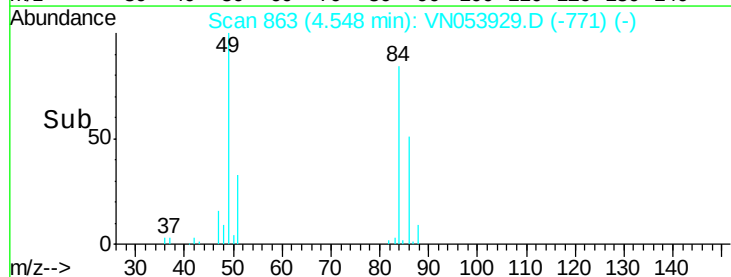
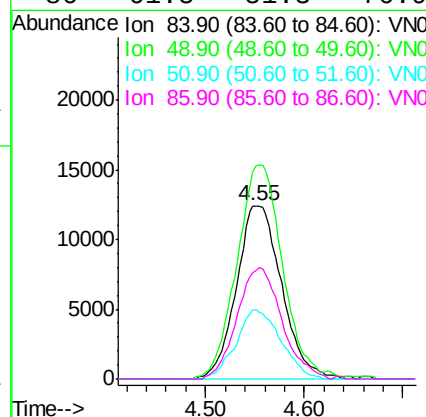
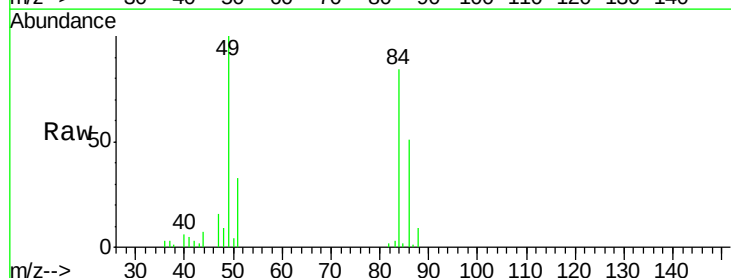
Manual Integrations
APPROVED

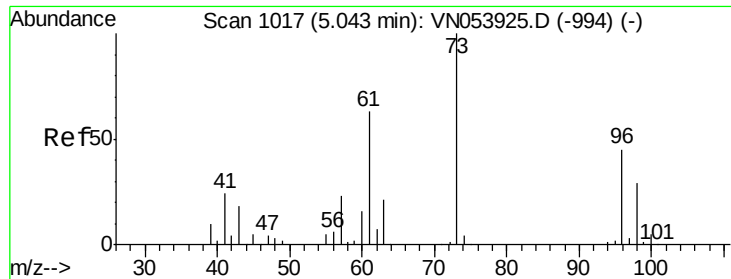
MMDadoda
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#20
Methylene Chloride
Concen: 5.441 ug/l
RT: 4.55 min Scan# 863
Delta R.T. -0.00 min
Lab File: VN053929.D
Acq: 25 Feb 2019 14:50

Tgt Ion: 84 Resp: 39477
Ion Ratio Lower Upper
84 100
49 119.6 89.7 134.5
51 40.0 27.8 41.8
86 61.5 51.3 76.9





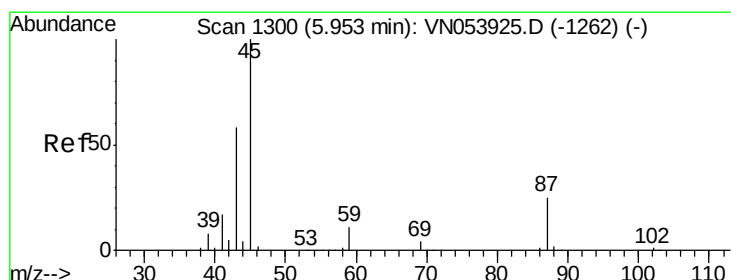
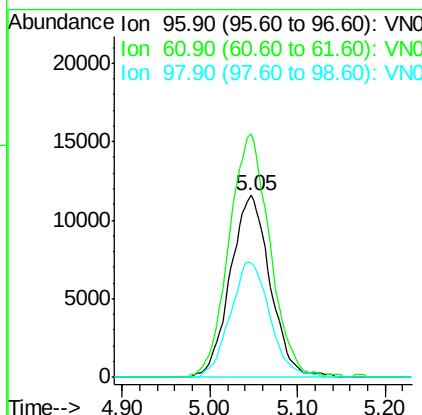
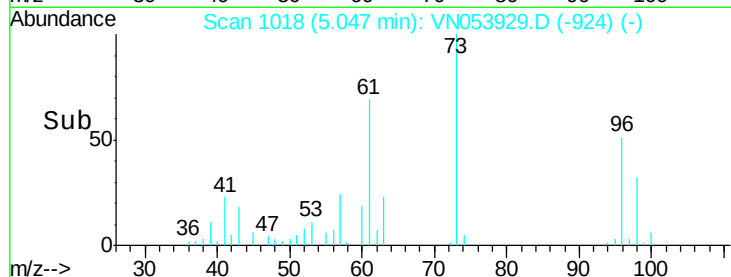
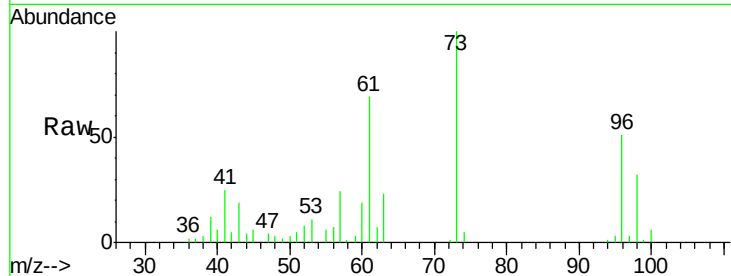
#21
trans-1,2-Dichloroethene
Concen: 5.490 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053929.D
Acq: 25 Feb 2019 14:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	134.0	104.5	156.7
98	63.2	50.6	76.0

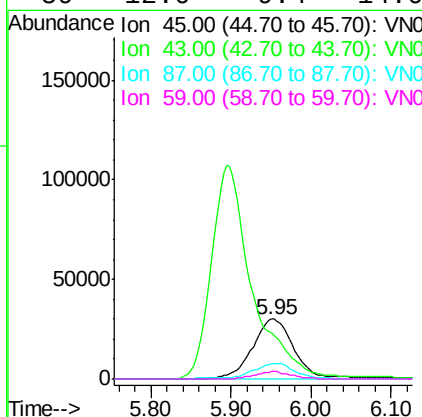
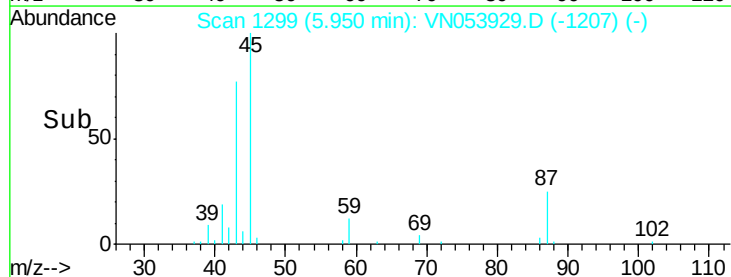
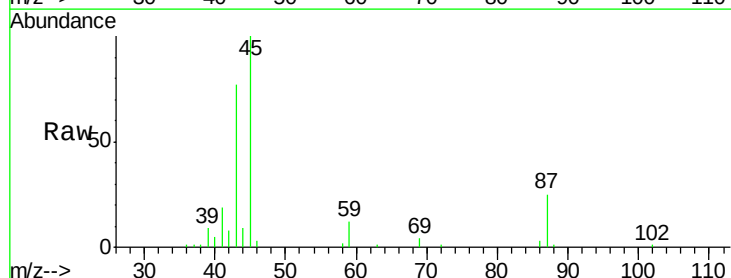
Manual Integrations
APPROVED

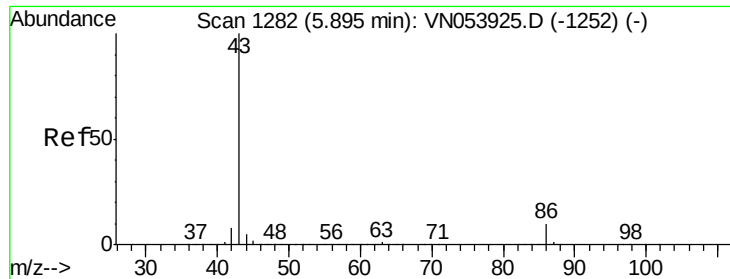
MMDadoda
2/28/2019 10:48:23 AM



#22
Diisopropyl ether
Concen: 5.085 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN053929.D
Acq: 25 Feb 2019 14:50

Tgt Ion	Ratio	Lower	Upper
45	100		
43	71.4	46.2	69.4#
87	24.1	23.4	35.0
59	12.0	9.4	14.0





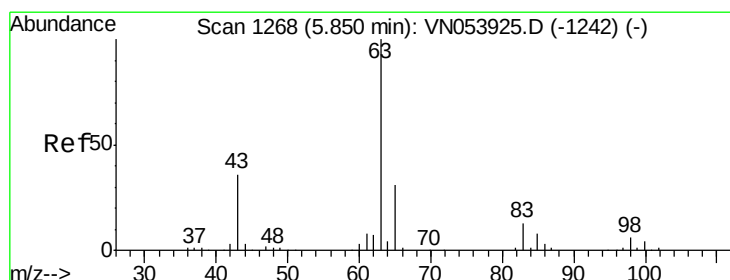
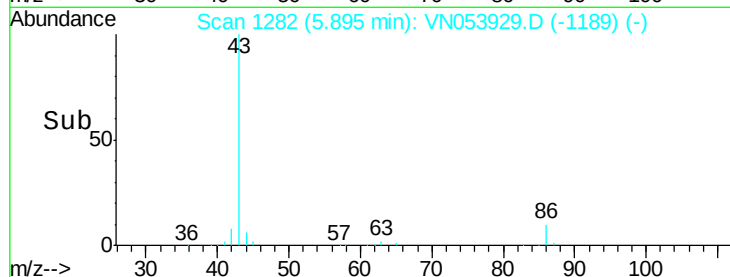
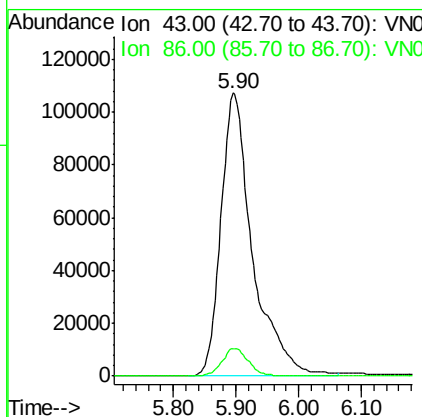
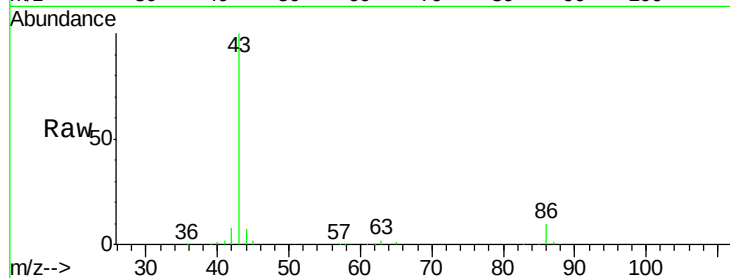
#23
 Vinyl Acetate
 Concen: 25.080 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN053929.D
 Acq: 25 Feb 2019 14:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	43	Resp	376909
Ion Ratio	100	Lower	Upper
43	100		
86	9.8	9.1	13.7

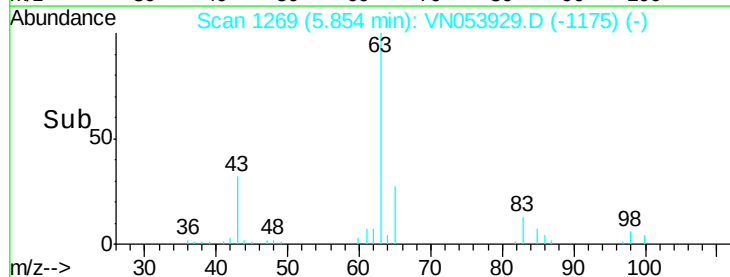
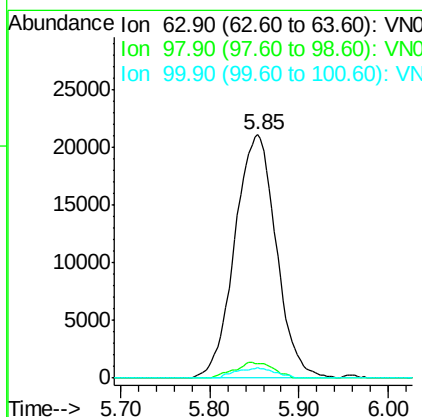
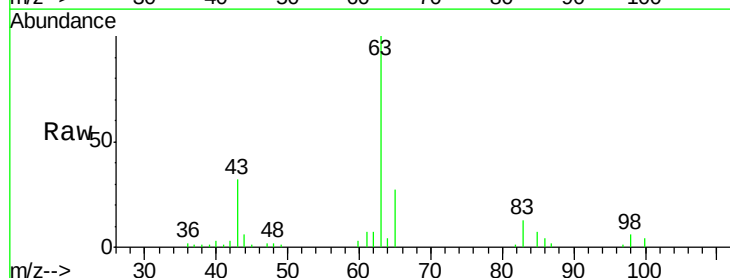
Manual Integrations
 APPROVED

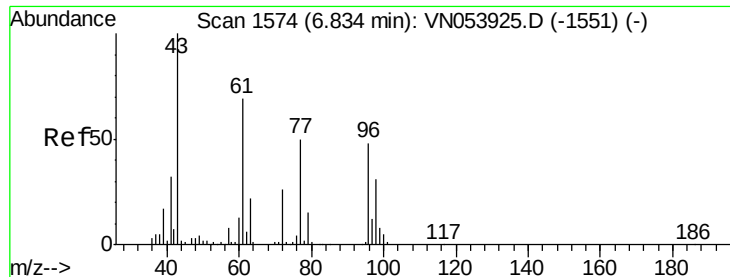
MMDadoda
 2/28/2019 10:48:23 AM



#24
 1,1-Dichloroethane
 Concen: 5.303 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN053929.D
 Acq: 25 Feb 2019 14:50

Tgt Ion	63	Resp	67931
Ion Ratio	100	Lower	Upper
63	100		
98	6.0	3.4	10.2
100	4.2	2.2	6.6





#25

2-Butanone

Concen: 25.727 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.01 min

Lab File: VN053929.D

Acq: 25 Feb 2019 14:50

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion: 43 Resp: 74058

Ion Ratio Lower Upper

43 100

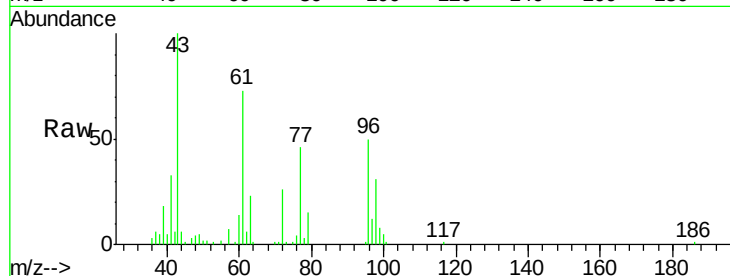
72 25.7 22.1 33.1

Manual Integrations

APPROVED

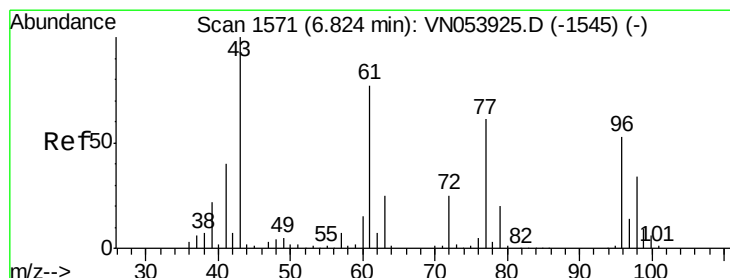
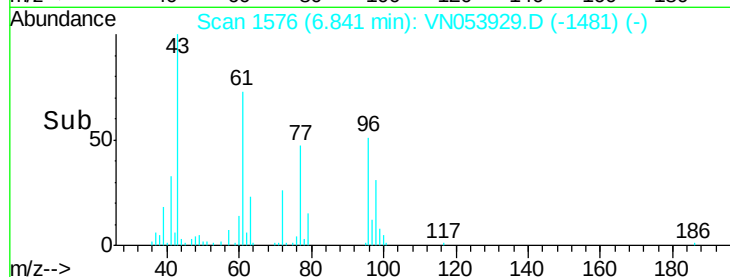
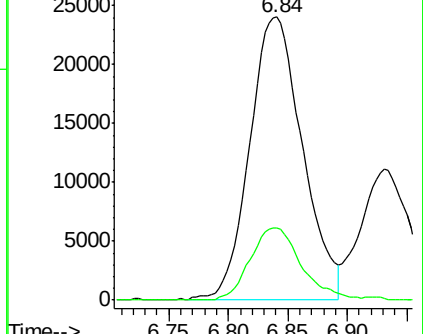
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 5.275 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN053929.D

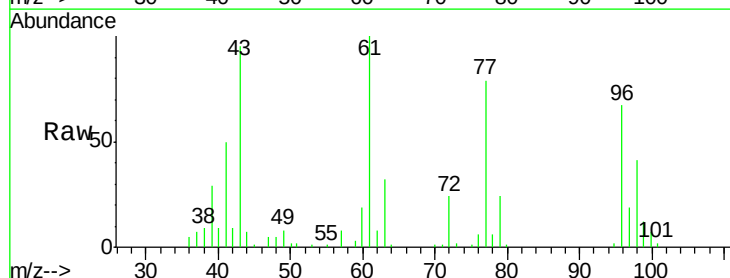
Acq: 25 Feb 2019 14:50

Tgt Ion: 77 Resp: 48010

Ion Ratio Lower Upper

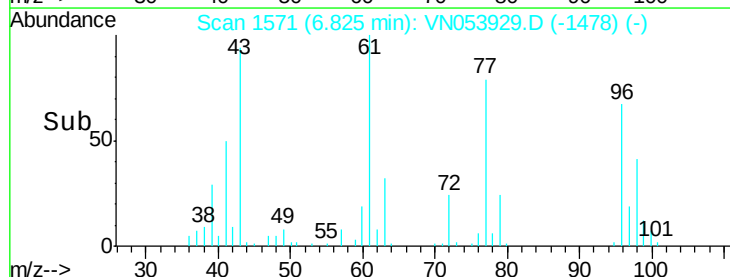
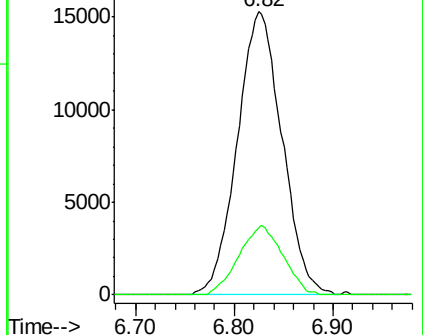
77 100

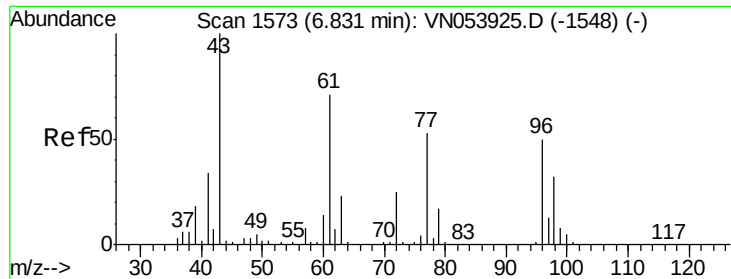
97 24.0 12.3 36.9



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 5.409 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053929.D

Acq: 25 Feb 2019 14:50

Instrument :

MSVOA_N

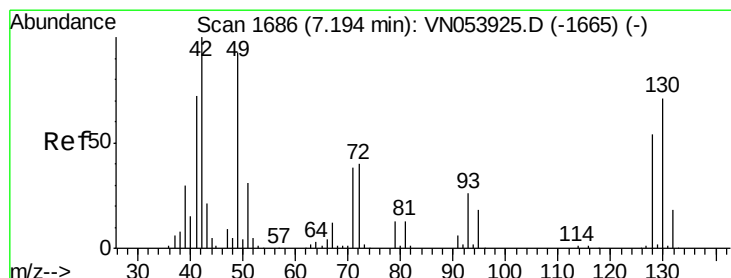
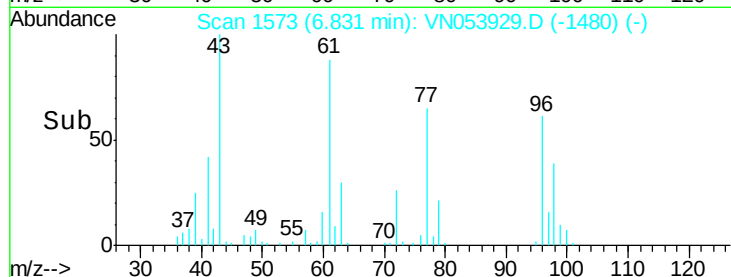
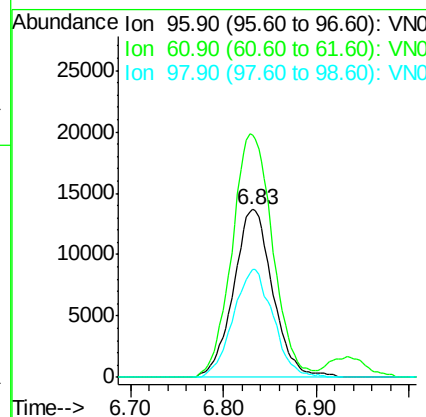
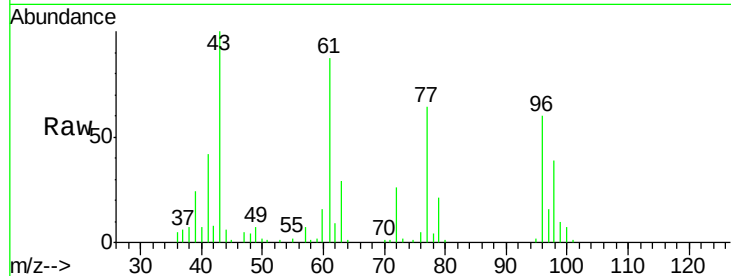
ClientSampled :

VSTDIC005

Tot Ion:	96	Resp:	40200
Ion	Ratio	Lower	Upper
96	100		
61	149.6	0.0	275.6
98	65.2	0.0	130.0

Manual Integrations
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#28

Bromochloromethane

Concen: 5.283 ug/l

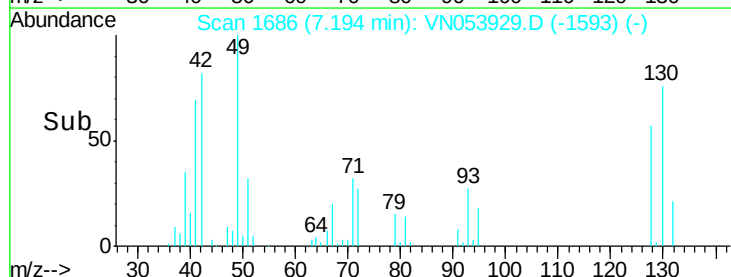
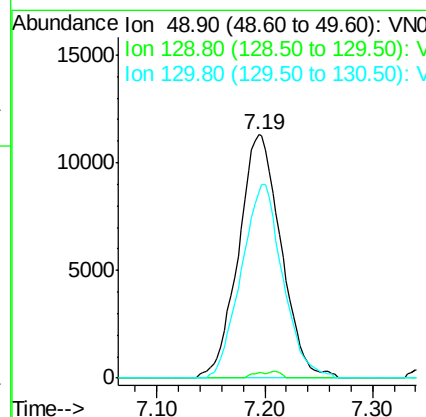
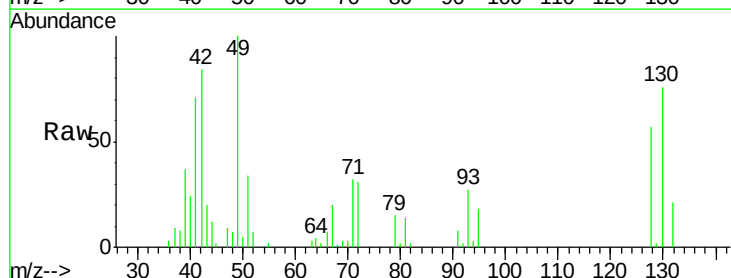
RT: 7.19 min Scan# 1686

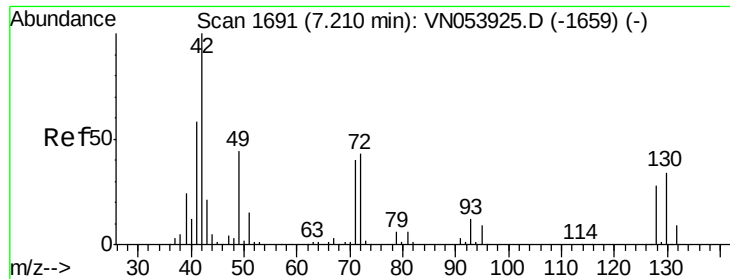
Delta R.T. 0.00 min

Lab File: VN053929.D

Acq: 25 Feb 2019 14:50

Tgt Ion:	49	Resp:	30981
Ion	Ratio	Lower	Upper
49	100		
129	0.8	0.0	4.6
130	77.6	72.9	109.3





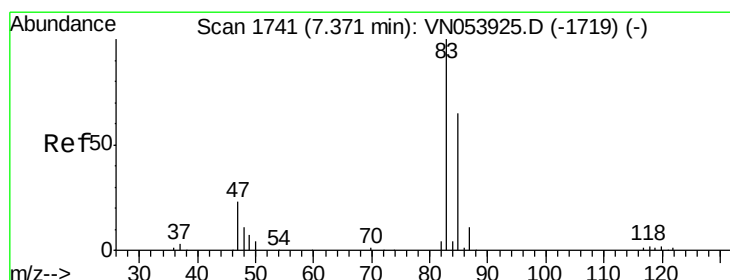
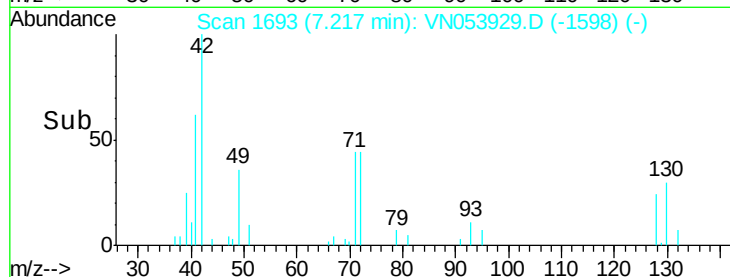
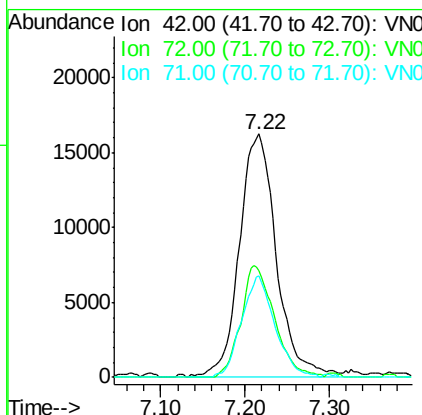
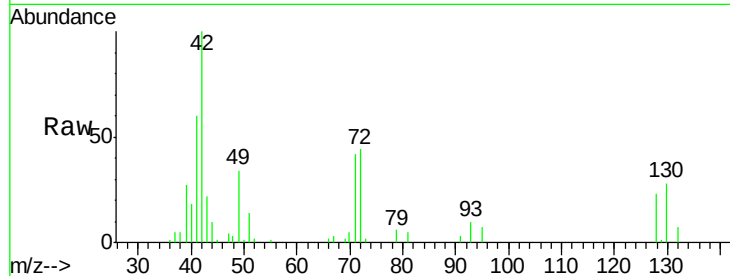
#29
Tetrahydrofuran
Concen: 25.852 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.01 min
Lab File: VN053929.D
Acq: 25 Feb 2019 14:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.8	36.9	55.3
71	37.7	34.6	52.0

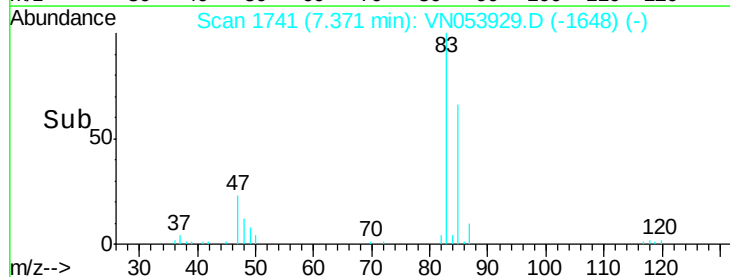
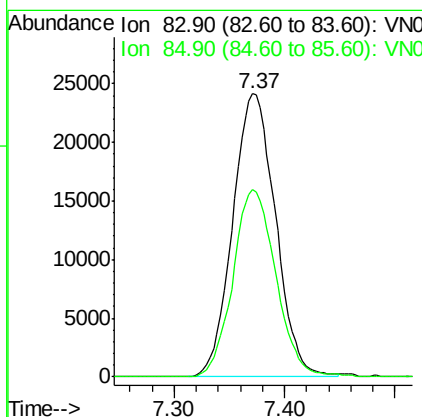
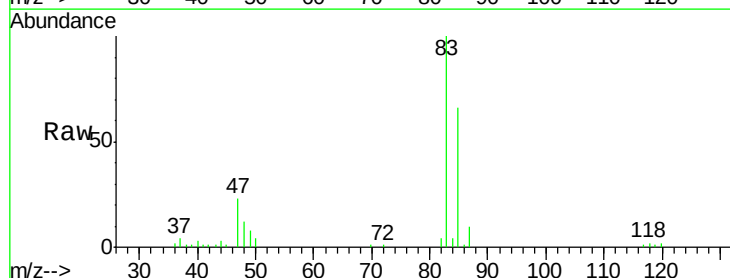
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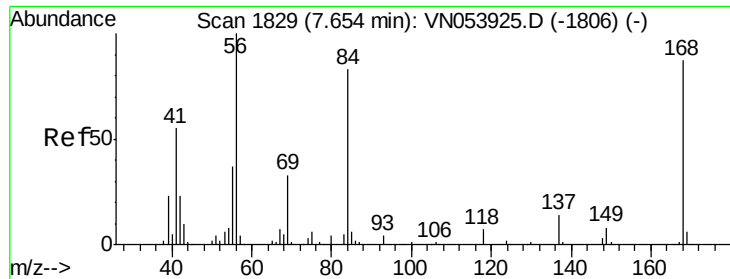
MMDadoda
2/28/2019 10:48:23 AM



#30
Chloroform
Concen: 5.232 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN053929.D
Acq: 25 Feb 2019 14:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.2	52.6	78.8





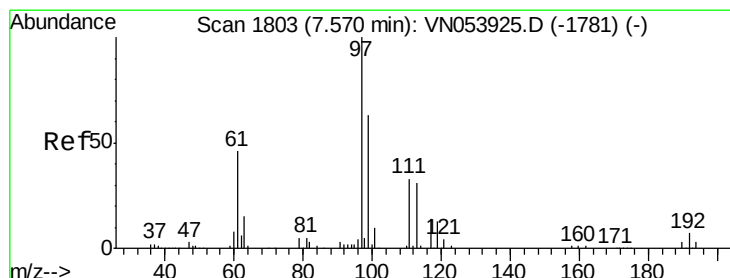
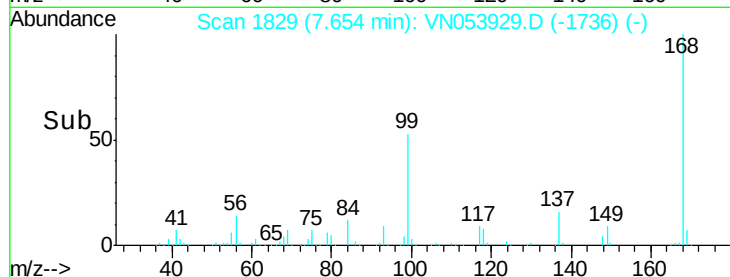
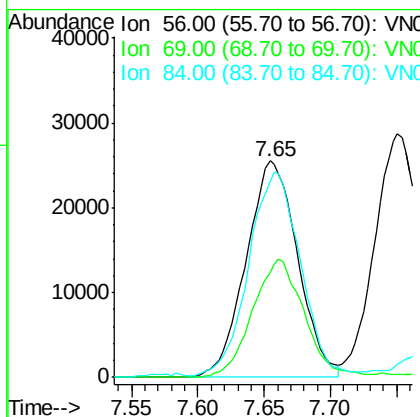
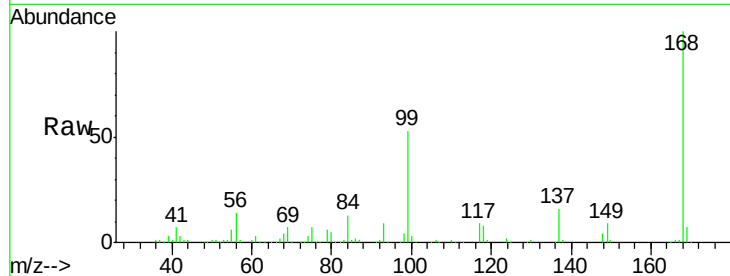
#31
Cyclohexane
Concen: 5.066 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN053929.D
Acq: 25 Feb 2019 14:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
69	48.4	26.0	39.0#
84	89.8	69.1	103.7

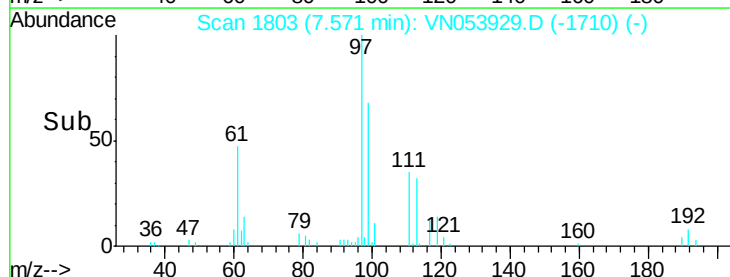
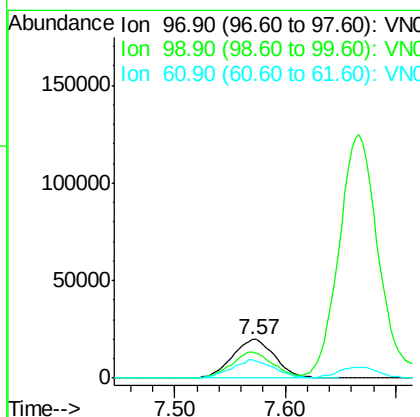
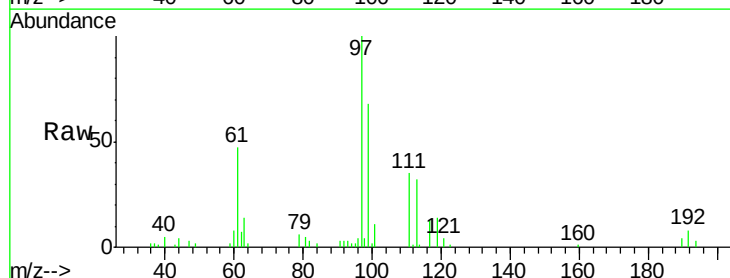
Manual Integrations
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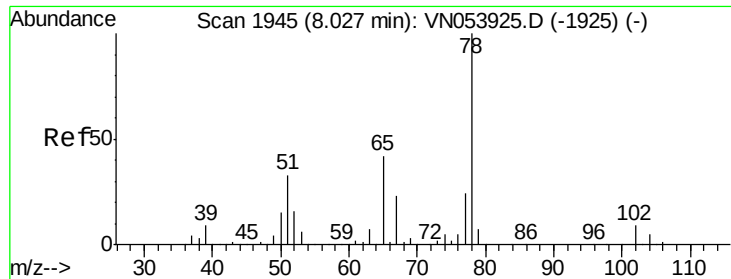
MMDadoda
2/28/2019 10:48:23 AM



#32
1,1,1-Trichloroethane
Concen: 5.184 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN053929.D
Acq: 25 Feb 2019 14:50

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.1	51.8	77.8
61	46.1	33.2	49.8





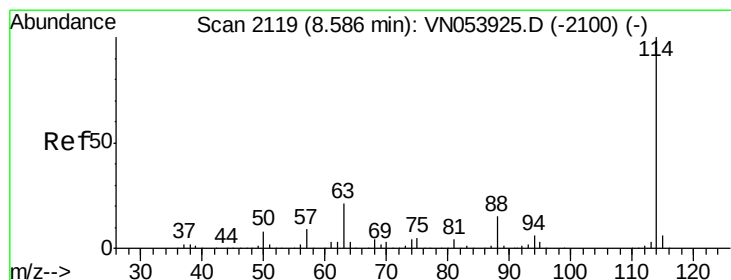
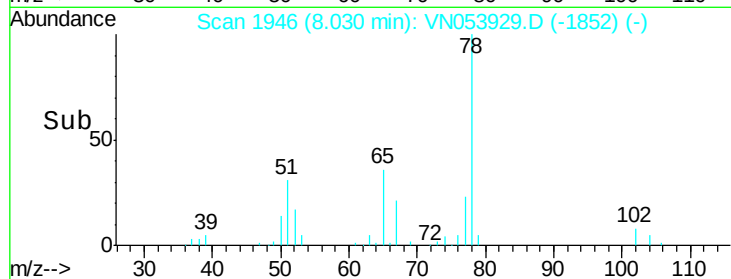
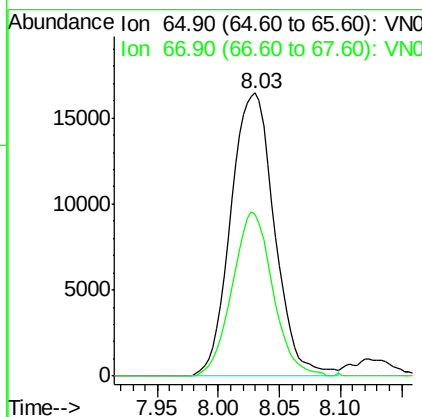
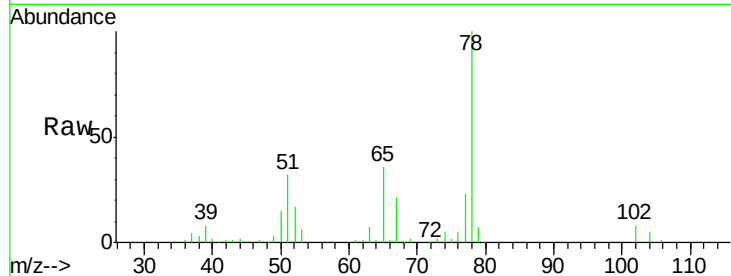
#33
 1,2-Dichloroethane-d4
 Concen: 5.563 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN053929.D
 Acq: 25 Feb 2019 14:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.7	0.0	111.8

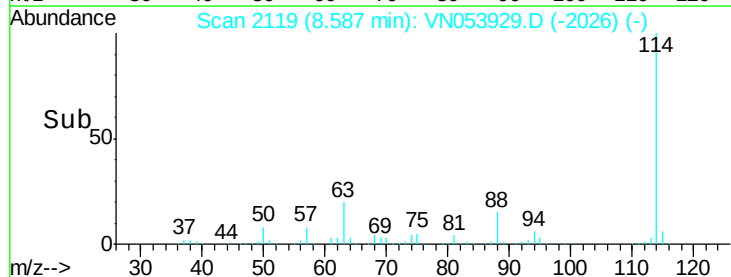
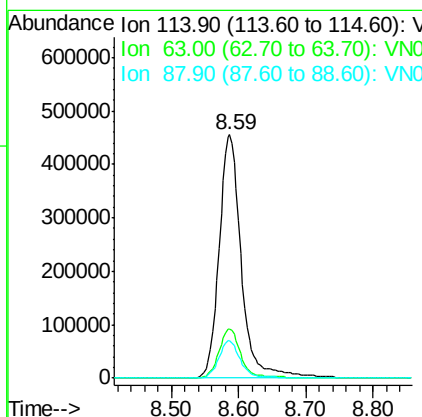
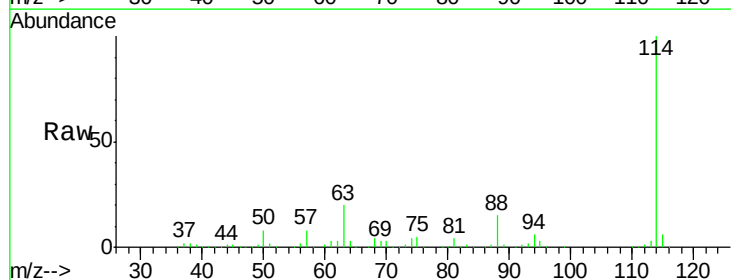
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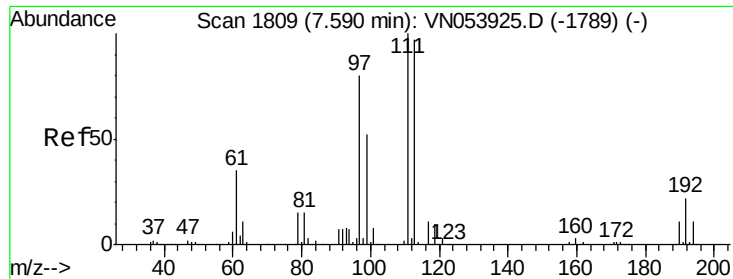
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053929.D
 Acq: 25 Feb 2019 14:50

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	37.4
88	15.3	0.0	30.4





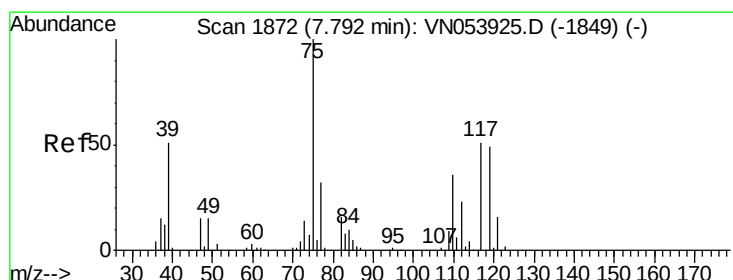
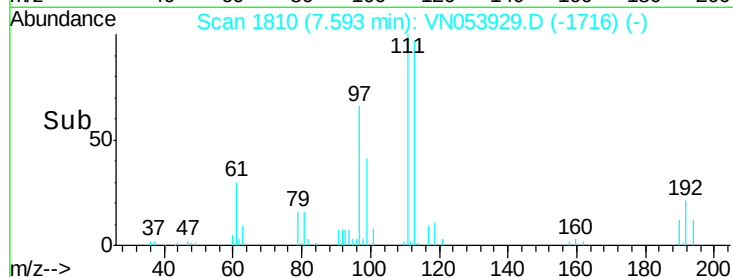
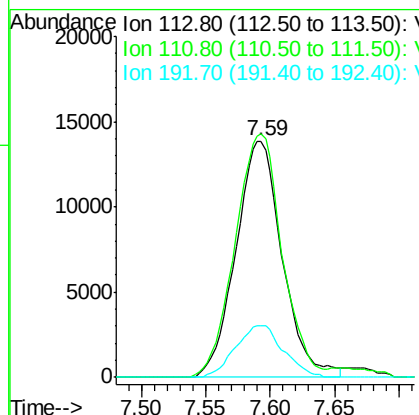
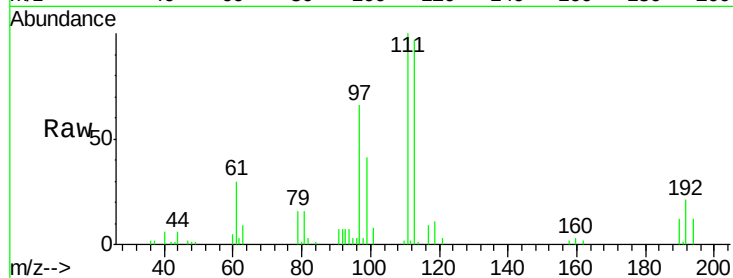
#35
 Dibromofluoromethane
 Concen: 5.112 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN053929.D
 Acq: 25 Feb 2019 14:50

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.4	81.1	121.7
192	22.6	18.8	28.2

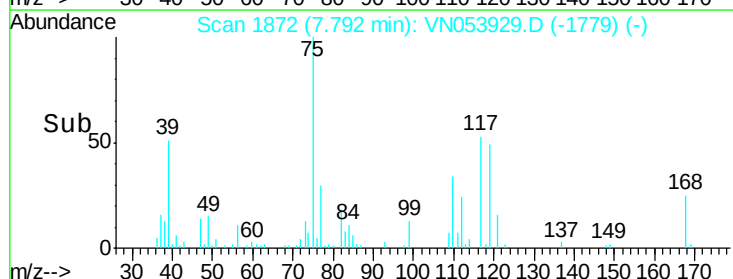
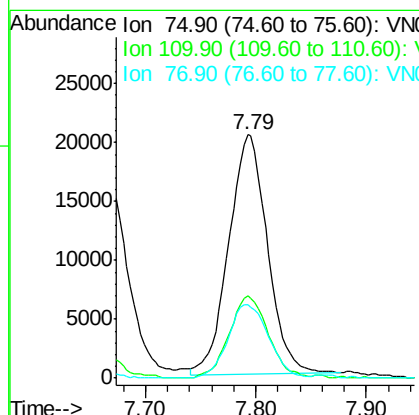
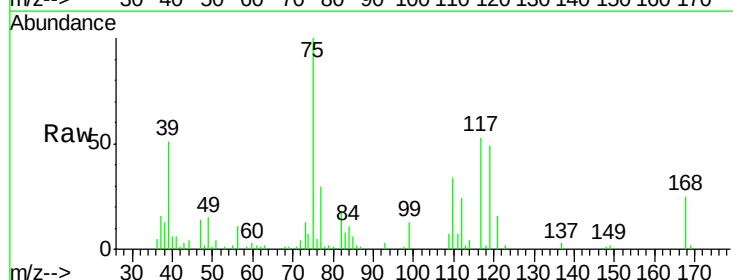
Manual Integrations
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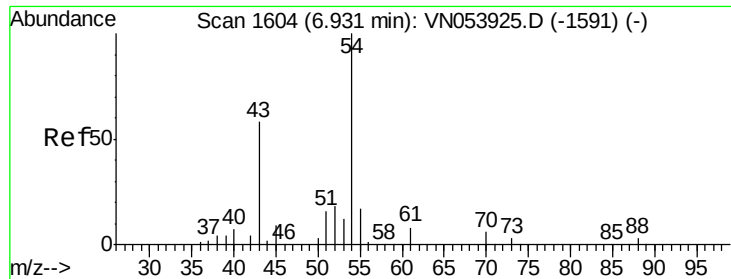
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 2/28/2019 10:48:23 AM



#36
 1,1-Dichloropropene
 Concen: 5.057 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN053929.D
 Acq: 25 Feb 2019 14:50

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.7	19.0	57.0
77	32.3	25.4	38.0





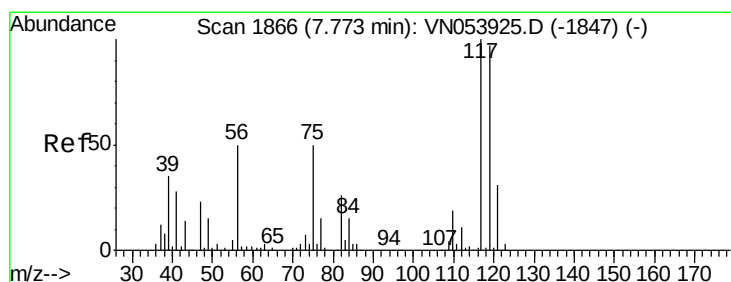
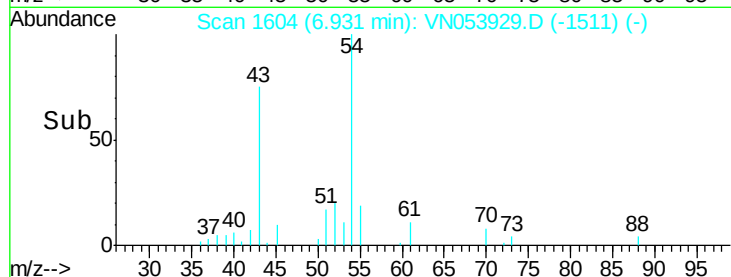
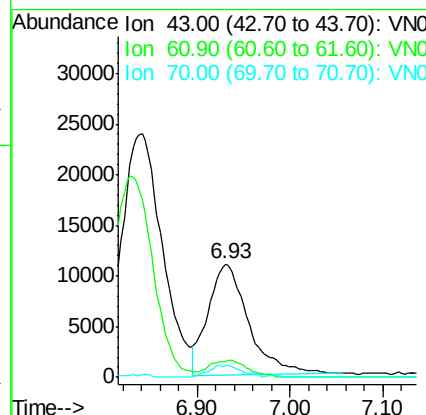
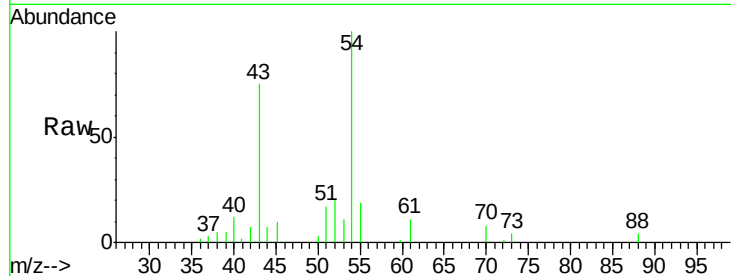
#37
Ethyl Acetate
Concen: 4.808 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN053929.D
Acq: 25 Feb 2019 14:50

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.7	12.0	18.0
70	8.9	8.7	13.1

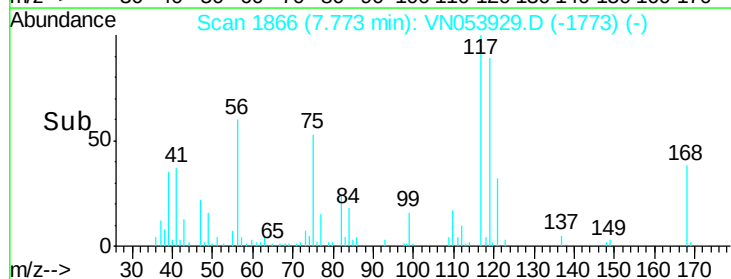
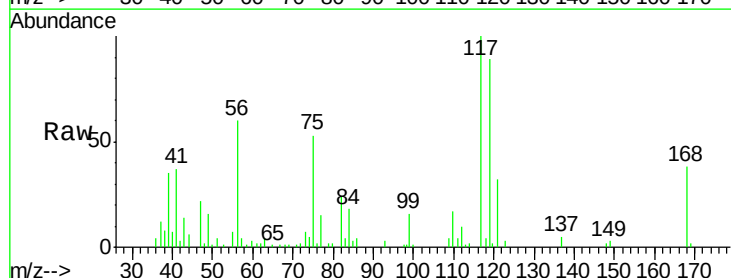
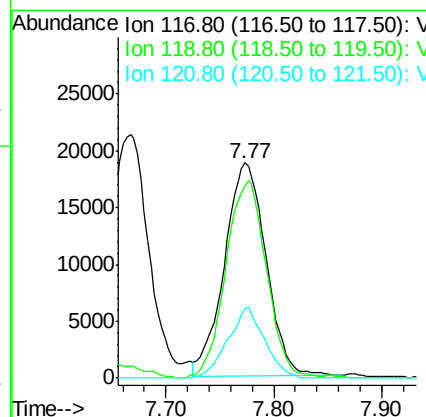
Manual Integrations
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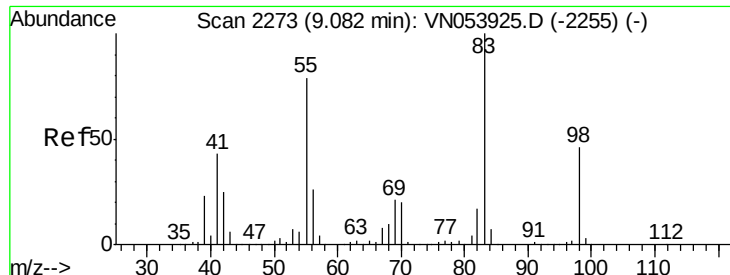
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#38
Carbon Tetrachloride
Concen: 4.948 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN053929.D
Acq: 25 Feb 2019 14:50

Tgt Ion	Ratio	Lower	Upper
117	100		
119	89.7	76.2	114.2
121	32.6	24.6	36.8





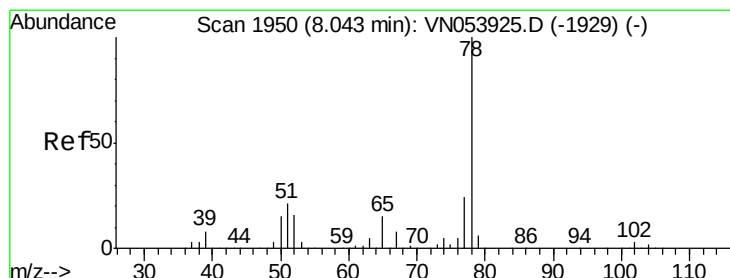
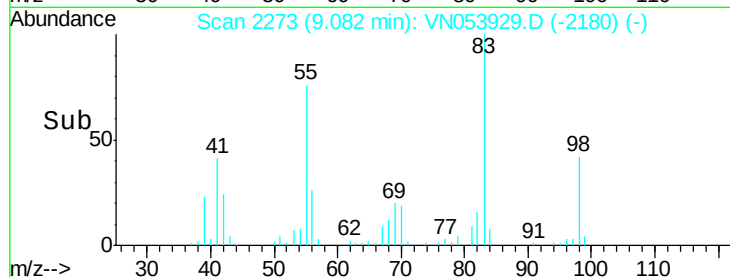
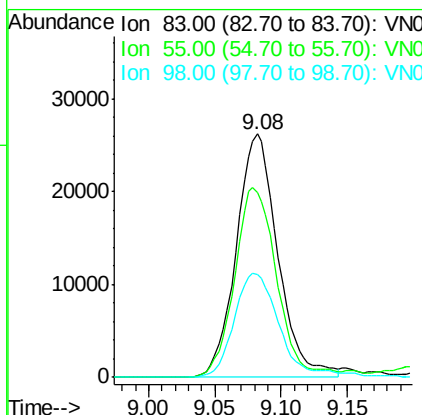
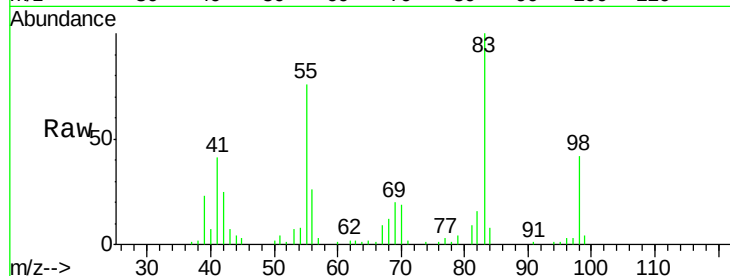
#39
Methvlcvclohexane
Concen: 4.854 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053929.D
Acq: 25 Feb 2019 14:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.0	58.2	87.4
98	42.3	37.2	55.8

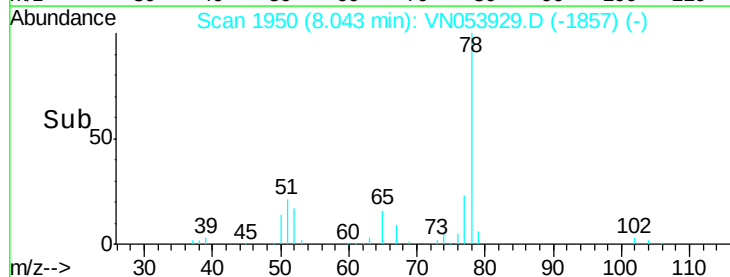
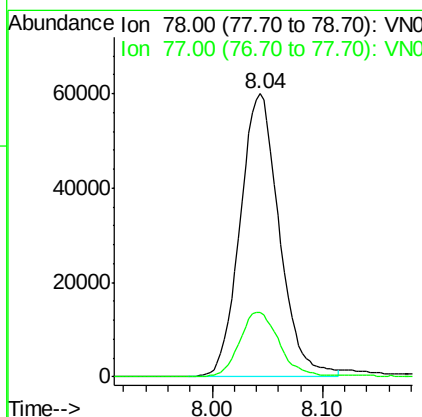
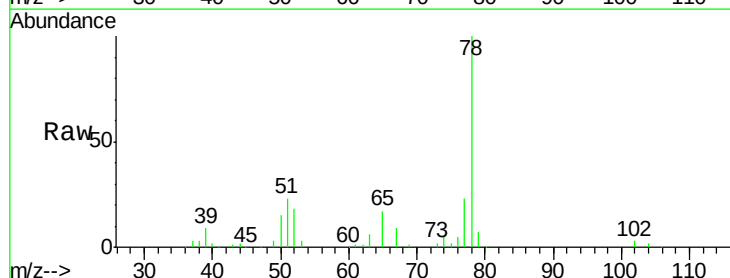
Manual Integrations
APPROVED

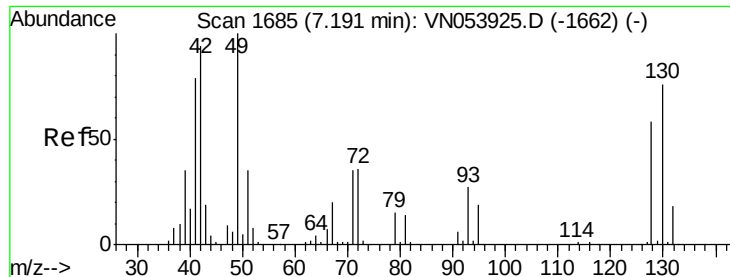
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#40
Benzene
Concen: 4.933 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053929.D
Acq: 25 Feb 2019 14:50

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.6	18.8	28.2





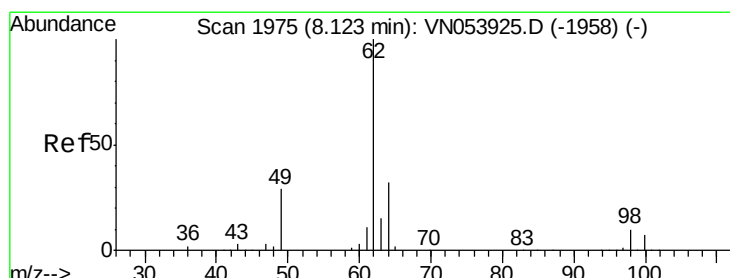
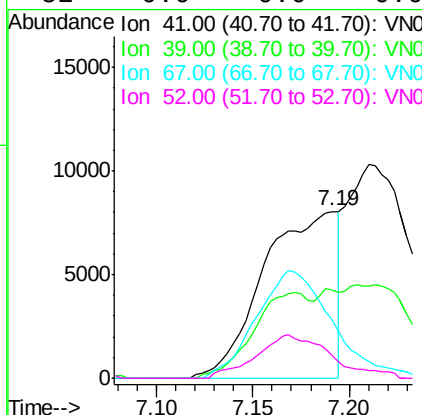
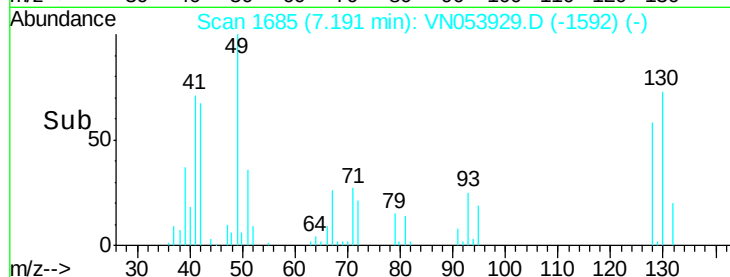
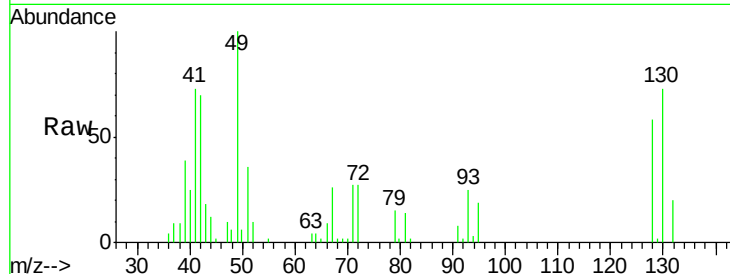
#41
Methacrylonitrile
Concen: 4.784 ug/l m
RT: 7.19 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VN053929.D
Acq: 25 Feb 2019 14:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	41	Resp	21474
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

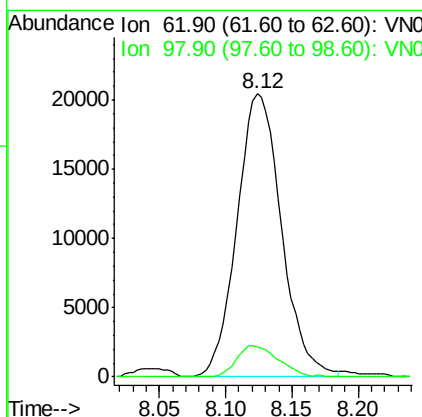
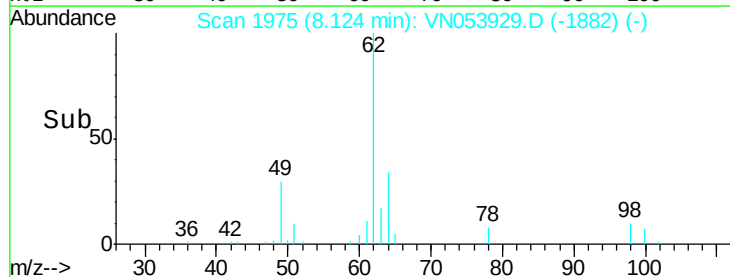
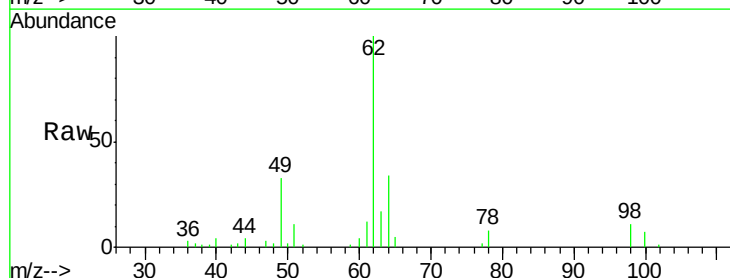
Manual Integrations
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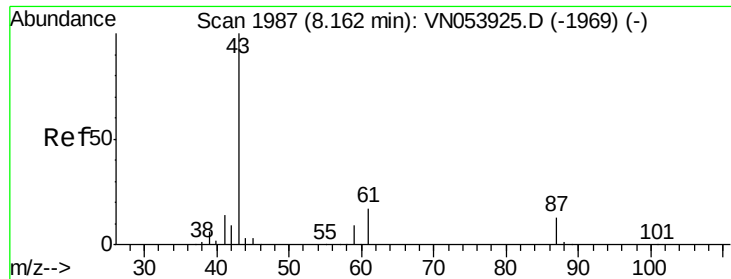
MMDadoda
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#42
1,2-Dichloroethane
Concen: 5.136 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN053929.D
Acq: 25 Feb 2019 14:50

Tgt Ion	62	Resp	47693
Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	20.8





#43

Isopropyl Acetate

Concen: 5.177 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN053929.D

Acq: 25 Feb 2019 14:50

Instrument :

MSVOA_N

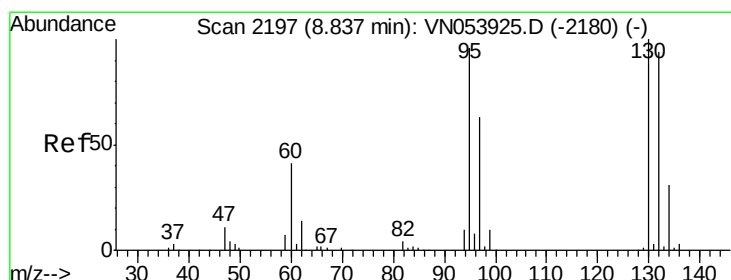
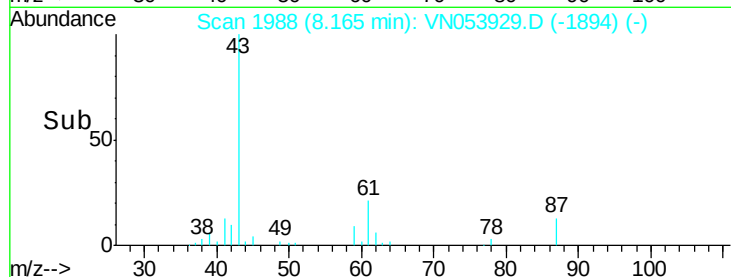
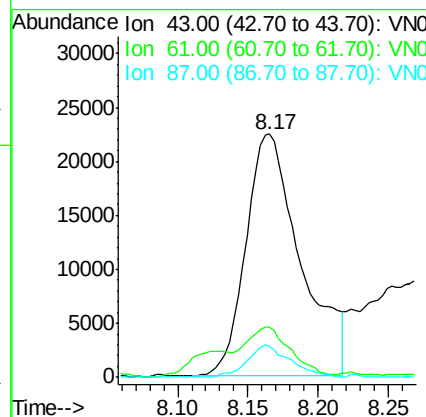
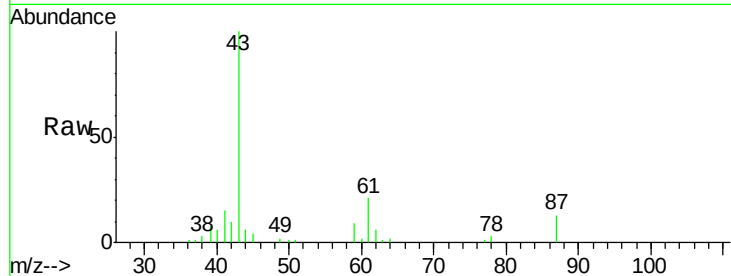
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	60934
Ion	Ratio	Lower	Upper
43	100		
61	16.1	17.4	26.0#
87	10.6	11.5	17.3#

Manual Integrations
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2/28/2019 10:48:23 AM



#44

Trichloroethene

Concen: 4.913 ug/l

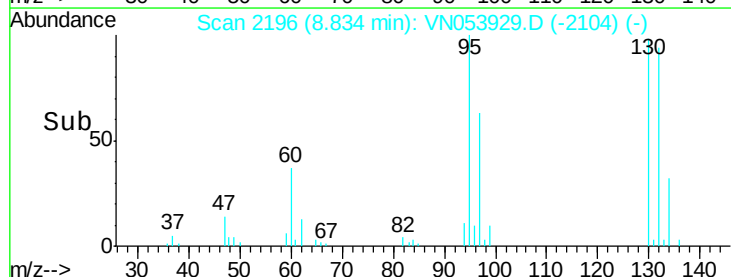
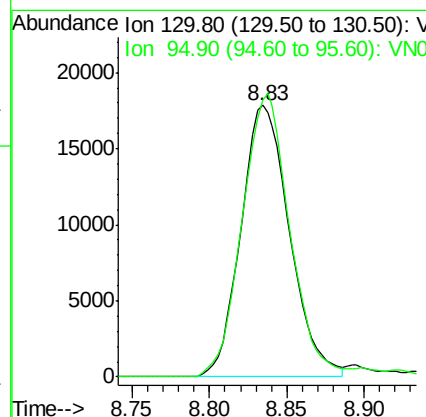
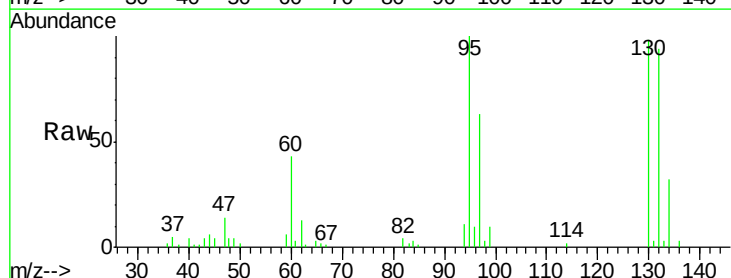
RT: 8.83 min Scan# 2196

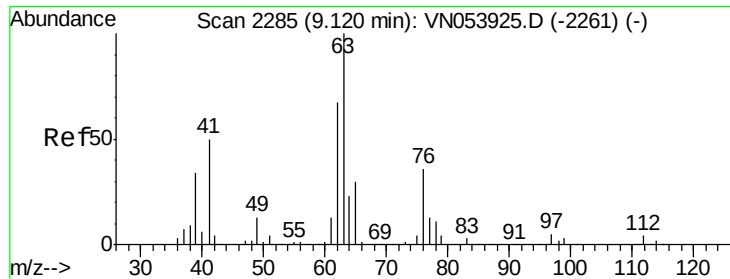
Delta R.T. -0.00 min

Lab File: VN053929.D

Acq: 25 Feb 2019 14:50

Tgt Ion:	130	Resp:	39065
Ion	Ratio	Lower	Upper
130	100		
95	102.0	0.0	190.0





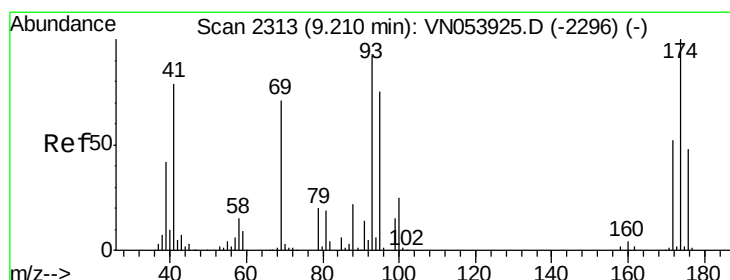
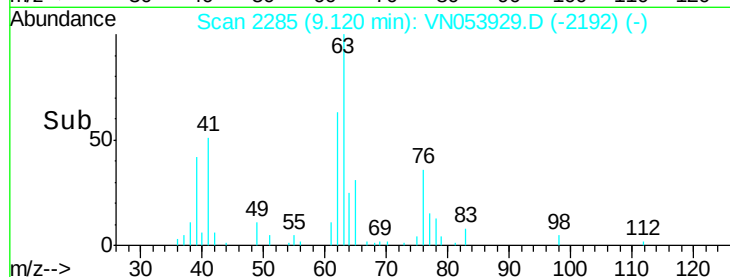
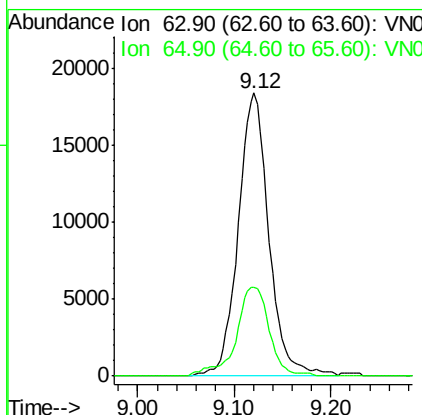
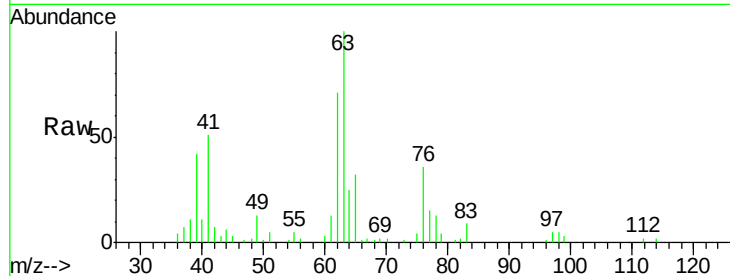
#45
 1,2-Dichloropropane
 Concen: 5.001 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN053929.D
 Acq: 25 Feb 2019 14:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 63 Resp: 40471
 Ion Ratio Lower Upper
 63 100
 65 31.5 24.3 36.5

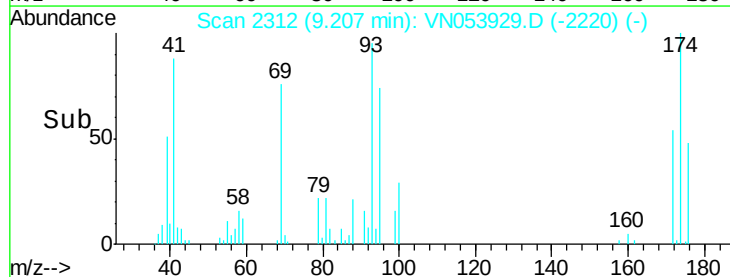
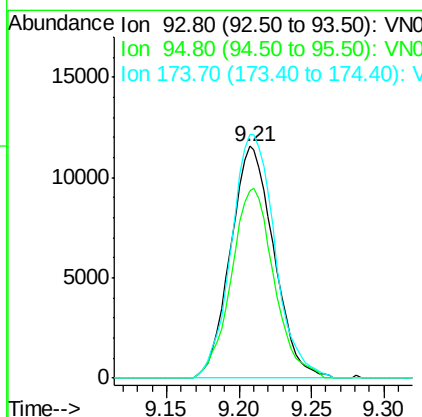
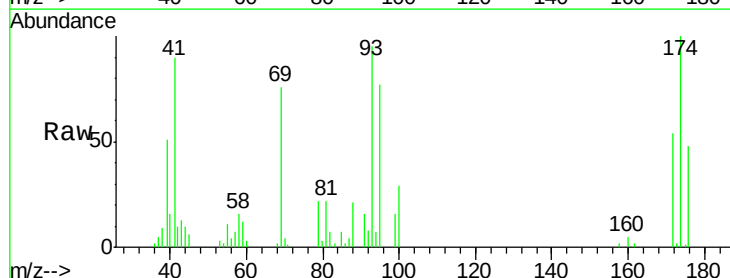
Manual Integrations
 APPROVED

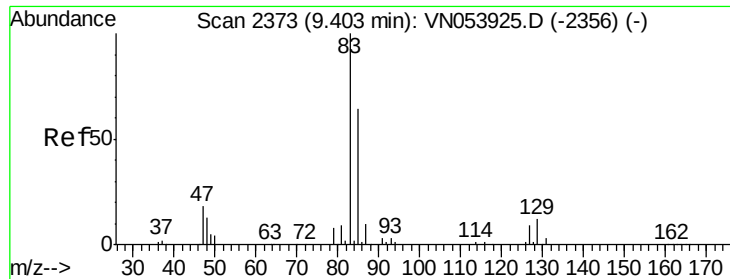
MMDadoda
 2/28/2019 10:48:23 AM



#46
 Dibromomethane
 Concen: 5.100 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN053929.D
 Acq: 25 Feb 2019 14:50

Tgt Ion: 93 Resp: 23960
 Ion Ratio Lower Upper
 93 100
 95 80.5 66.6 100.0
 174 106.0 96.2 144.4





#47

Bromodichloromethane

Concen: 4.898 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN053929.D

Acq: 25 Feb 2019 14:50

Instrument :

MSVOA_N

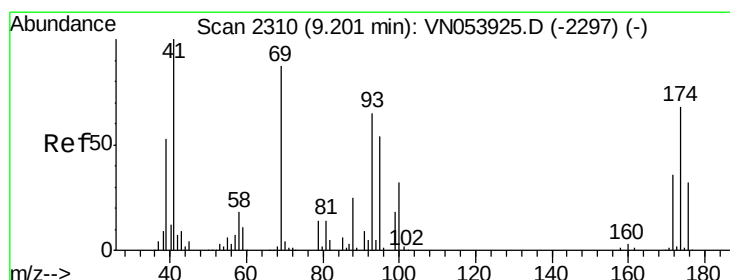
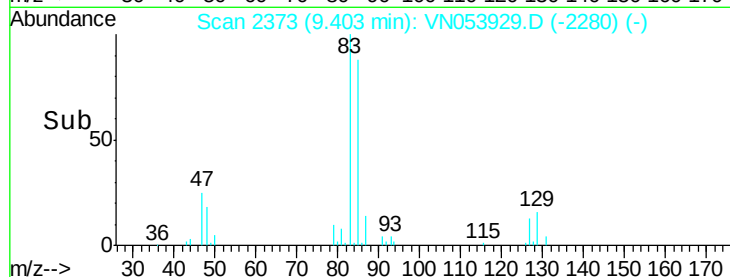
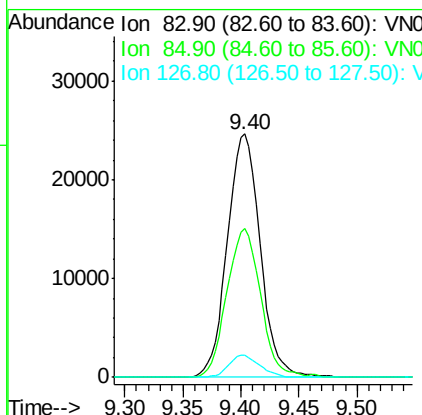
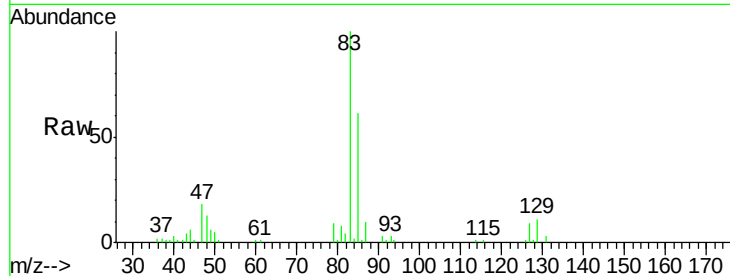
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	48488
Ion Ratio	Lower	Upper	
83	100		
85	61.3	51.8	77.6
127	8.9	7.4	11.0

Manual Integrations
APPROVED

MMDadoda
2/28/2019 10:48:23 AM



#48

Methyl methacrylate

Concen: 4.618 ug/l

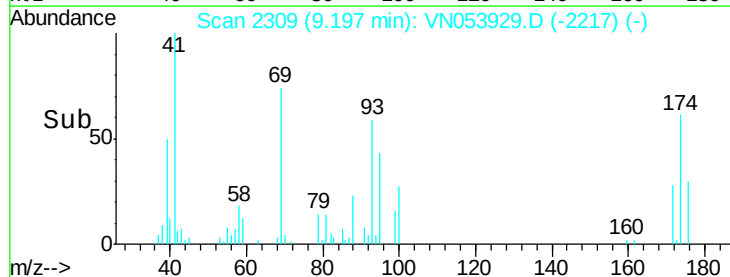
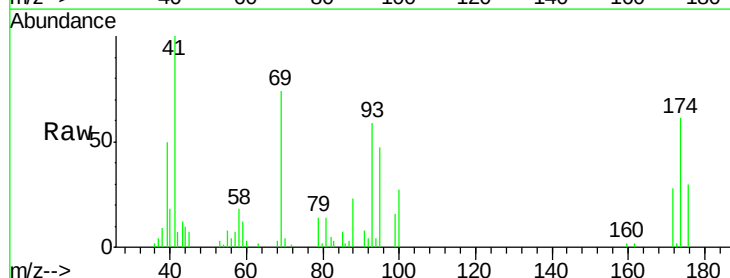
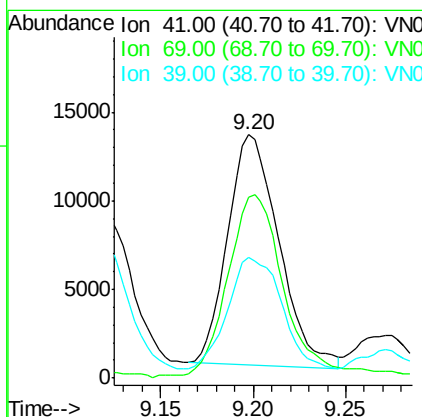
RT: 9.20 min Scan# 2309

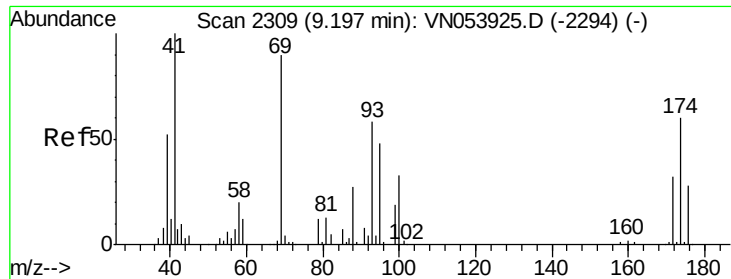
Delta R.T. -0.00 min

Lab File: VN053929.D

Acq: 25 Feb 2019 14:50

Tgt Ion:	41	Resp:	25002
Ion Ratio	Lower	Upper	
41	100		
69	90.4	74.8	112.2
39	57.9	39.0	58.6





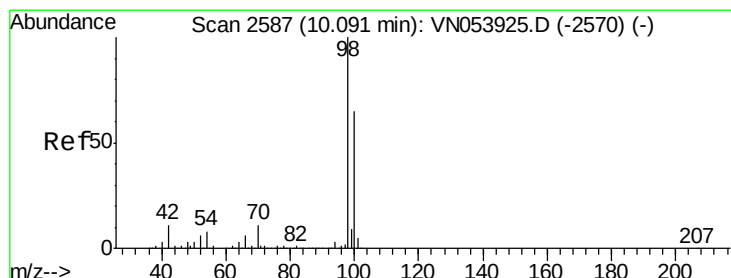
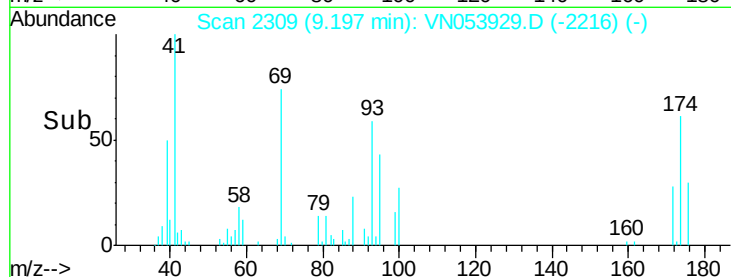
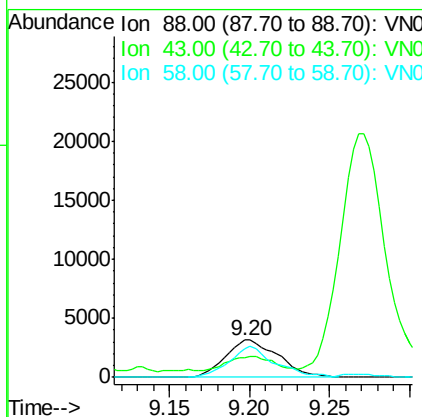
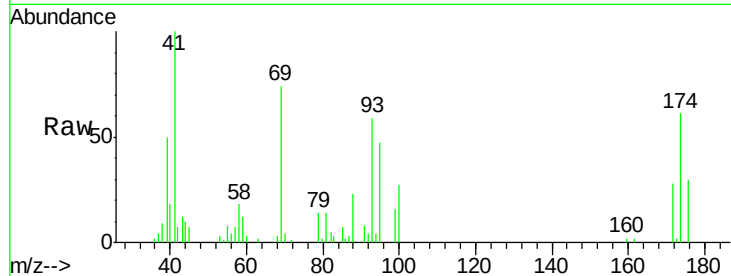
#49
 1,4-Dioxane
 Concen: 97.190 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN053929.D
 Acq: 25 Feb 2019 14:50

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.4	21.2	31.8
58	72.3	54.2	81.2

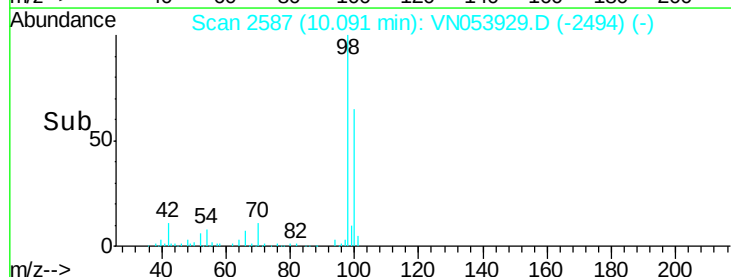
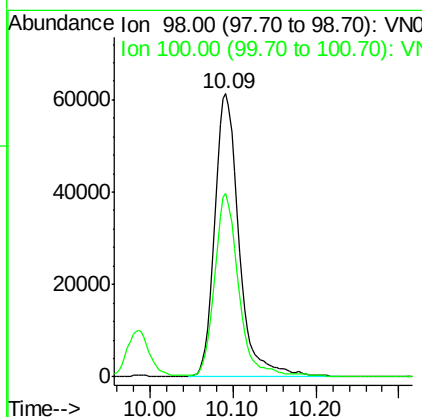
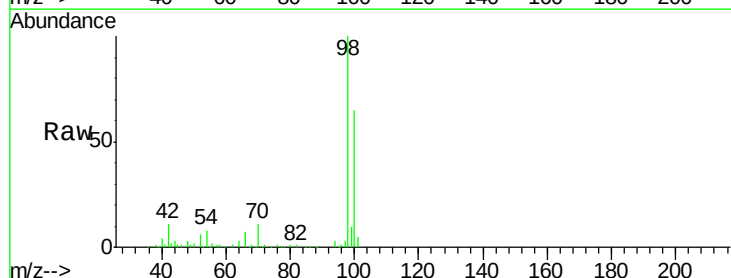
Manual Integrations
 APPROVED

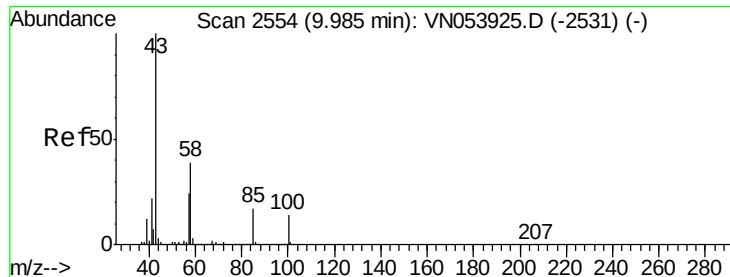
MMDadoda
 2/28/2019 10:48:23 AM



#50
 Toluene-d8
 Concen: 4.940 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN053929.D
 Acq: 25 Feb 2019 14:50

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	51.9	77.9





#51

4-Methyl-2-Pentanone

Concen: 24.154 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN053929.D

Acq: 25 Feb 2019 14:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 146095

Ion Ratio Lower Upper

43 100

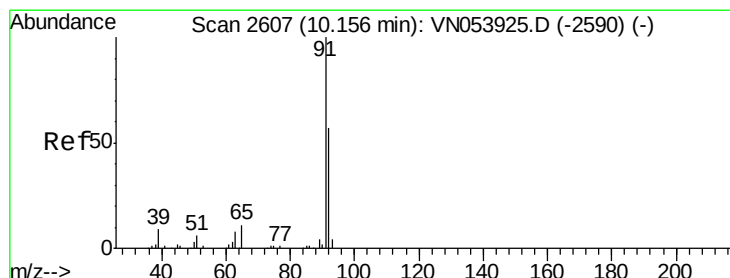
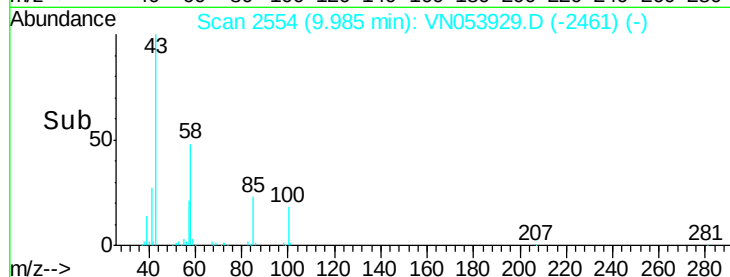
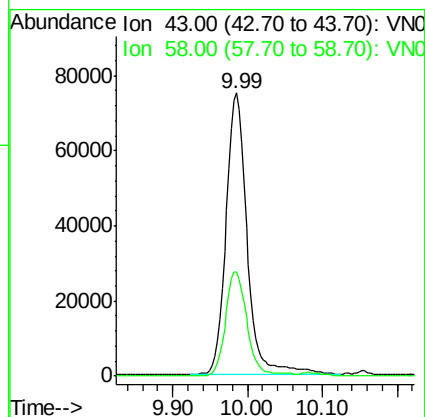
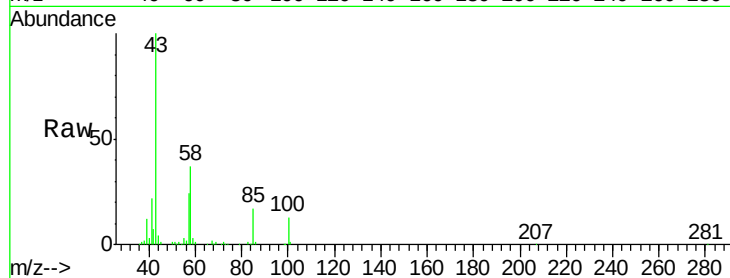
58 38.1 32.7 49.1

Manual Integrations

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MMDadoda

2/28/2019 10:48:23 AM



#52

Toluene

Concen: 4.926 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053929.D

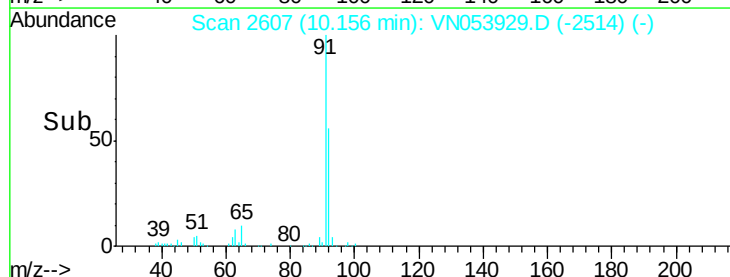
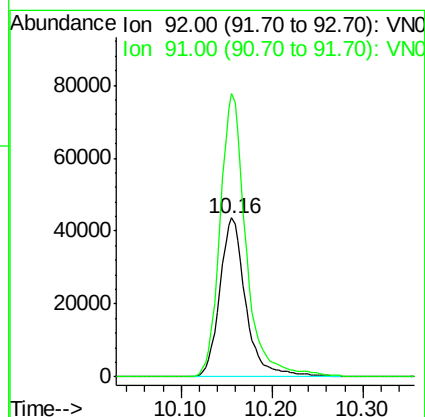
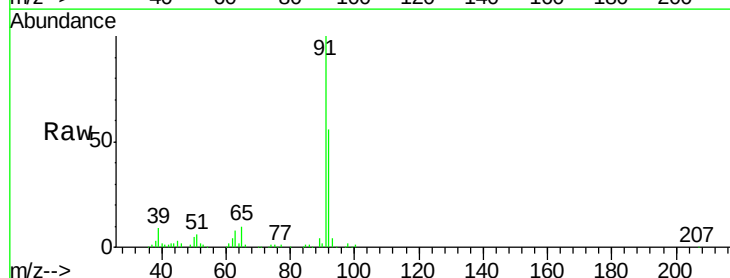
Acq: 25 Feb 2019 14:50

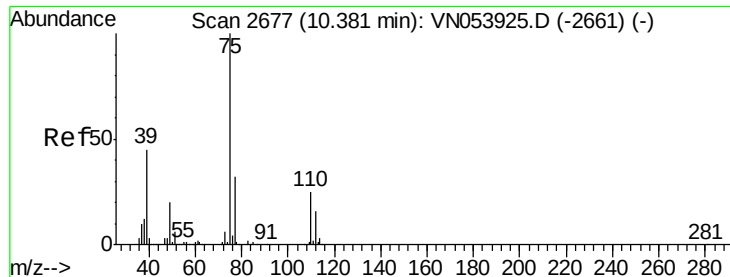
Tgt Ion: 92 Resp: 86999

Ion Ratio Lower Upper

92 100

91 178.0 138.4 207.6





#53

t-1,3-Dichloropropene

Concen: 4.662 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN053929.D

Acq: 25 Feb 2019 14:50

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion: 75 Resp: 44914

Ion Ratio Lower Upper

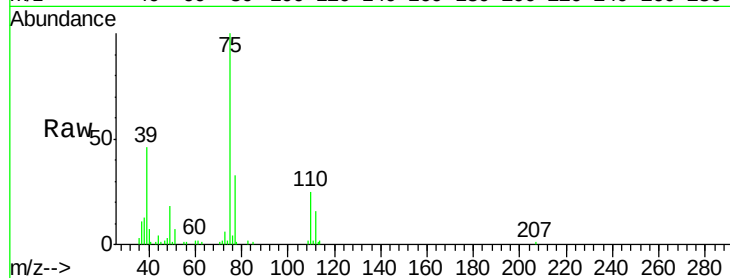
75 100

77 31.4 25.0 37.6

Manual Integrations
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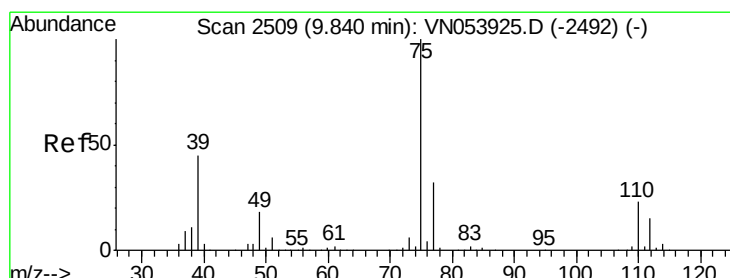
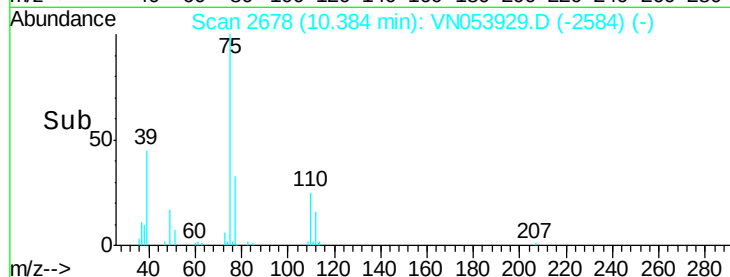
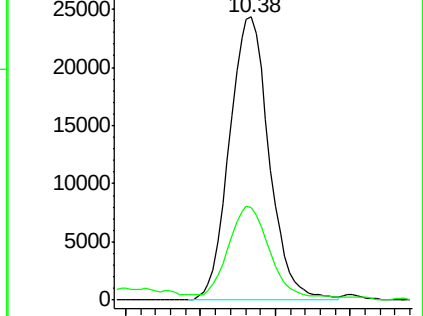
MMDadoda

2/28/2019 10:48:23 AM



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 4.690 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN053929.D

Acq: 25 Feb 2019 14:50

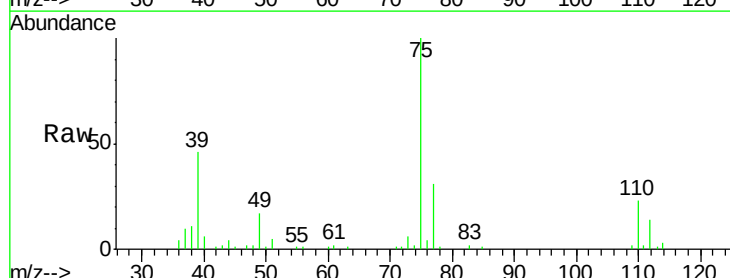
Tgt Ion: 75 Resp: 53258

Ion Ratio Lower Upper

75 100

77 31.3 25.8 38.6

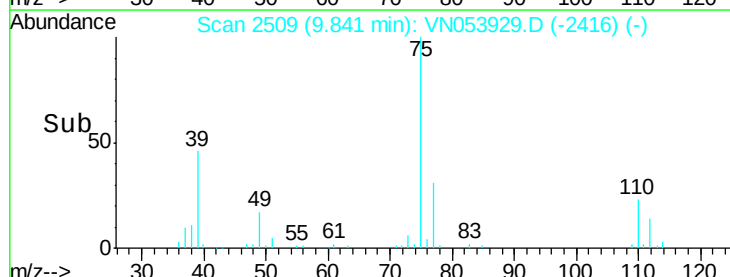
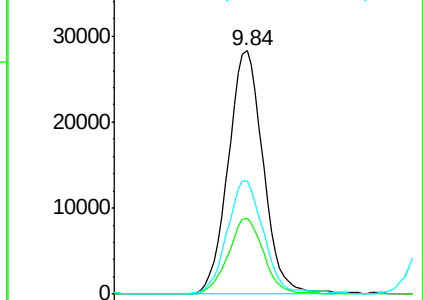
39 46.4 31.4 47.0

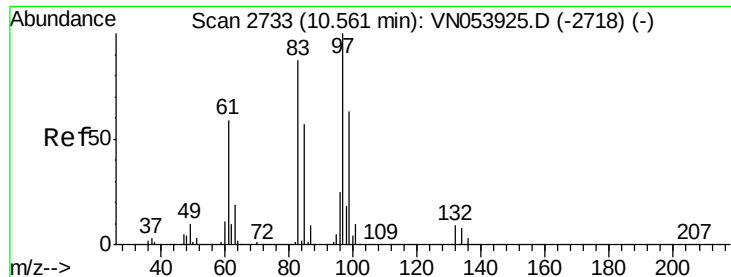


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





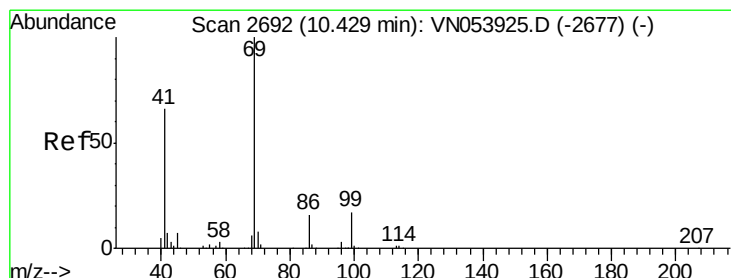
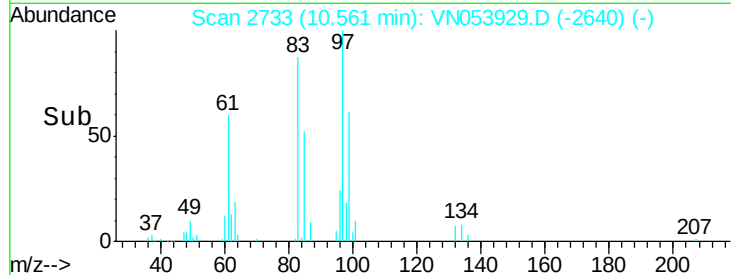
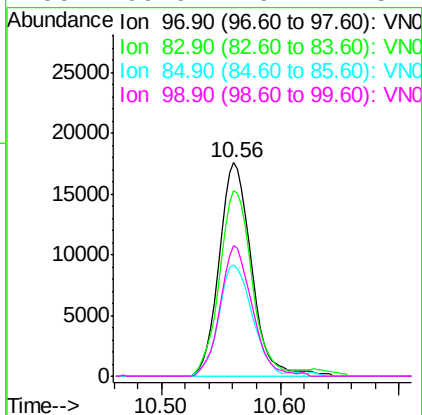
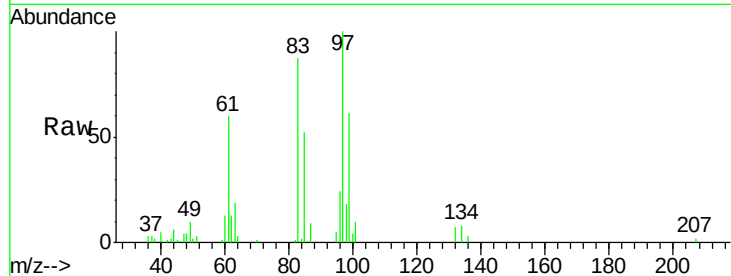
#55
 1,1,2-Trichloroethane
 Concen: 5.038 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN053929.D
 Acq: 25 Feb 2019 14:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion:	97	Resp:	33230
Ion	Ratio	Lower	Upper
97	100		
83	87.1	69.5	104.3
85	52.2	45.9	68.9
99	60.9	49.1	73.7

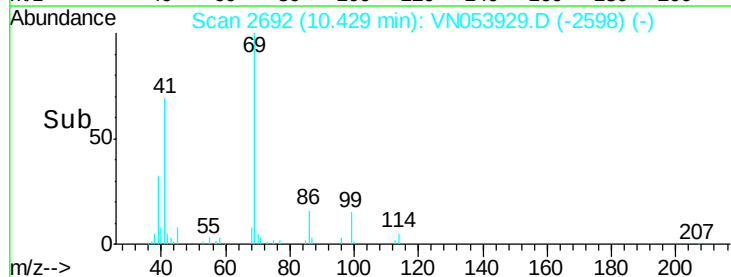
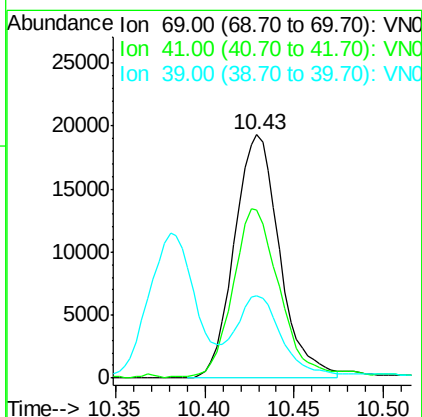
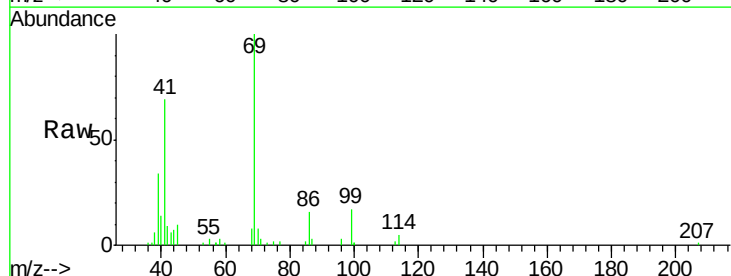
Manual Integrations
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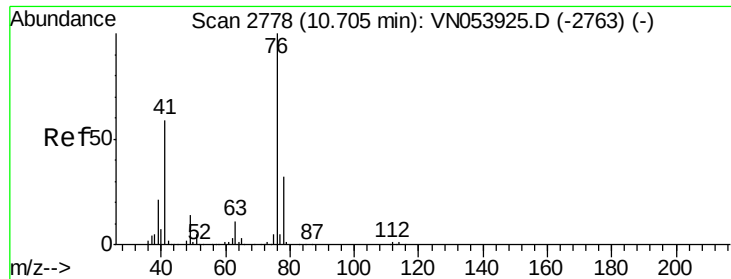
MMDadoda
 2/28/2019 10:48:23 AM



#56
 Ethyl methacrylate
 Concen: 4.433 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053929.D
 Acq: 25 Feb 2019 14:50

Tgt Ion:	69	Resp:	34211
Ion	Ratio	Lower	Upper
69	100		
41	71.8	47.5	71.3#
39	31.7	23.4	35.0





#57

1,3-Dichloropropane

Concen: 4.978 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN053929.D

Acq: 25 Feb 2019 14:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 55471

Ion Ratio Lower Upper

76 100

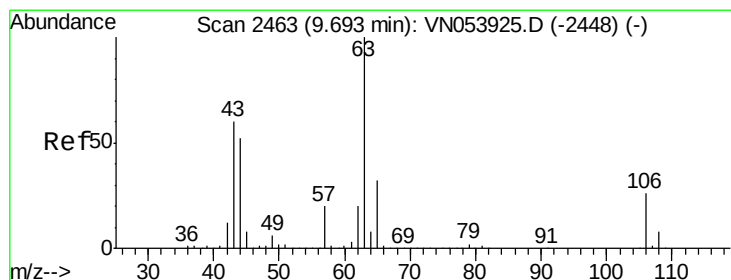
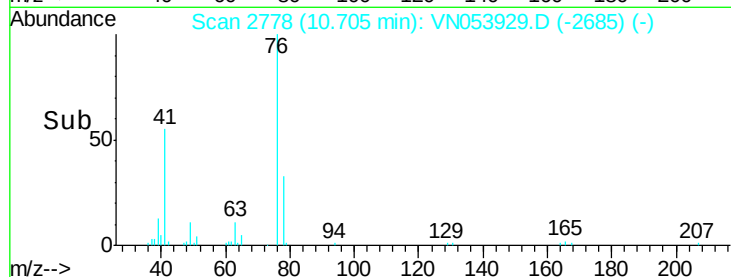
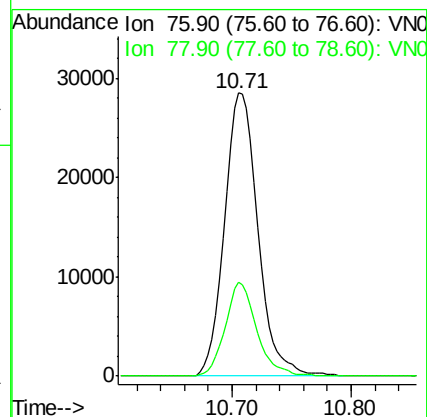
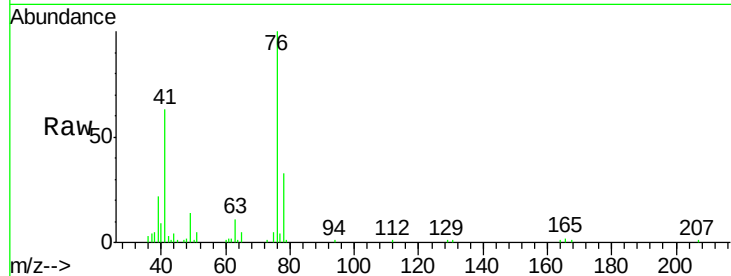
78 31.0 25.2 37.8

Manual Integrations

APPROVED

MMDadoda

2/28/2019 10:48:23 AM



#58

2-Chloroethyl Vinyl ether

Concen: 20.974 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN053929.D

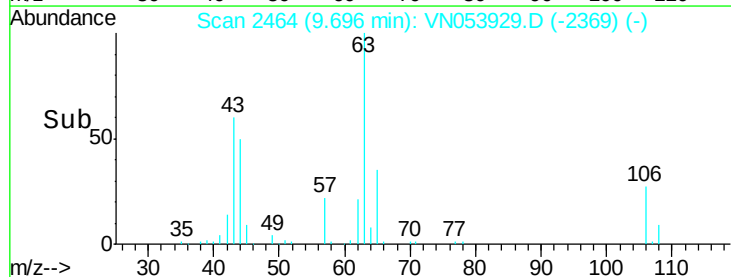
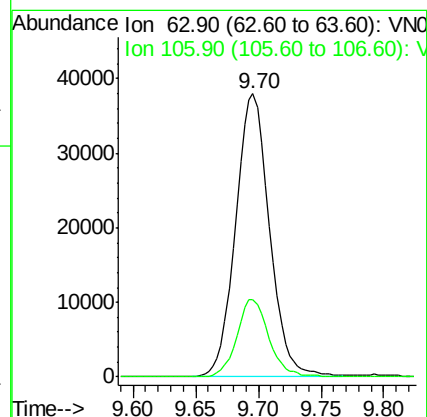
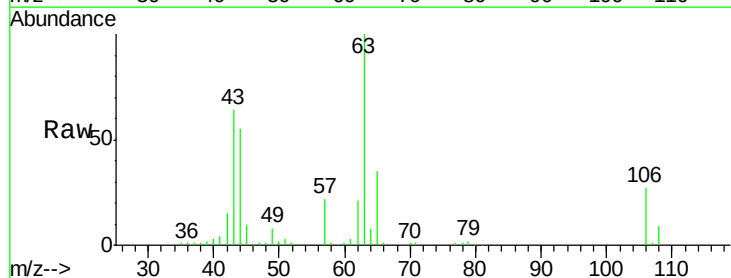
Acq: 25 Feb 2019 14:50

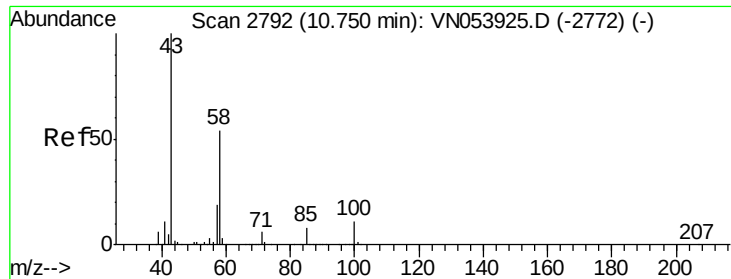
Tgt Ion: 63 Resp: 71470

Ion Ratio Lower Upper

63 100

106 25.8 22.2 33.2





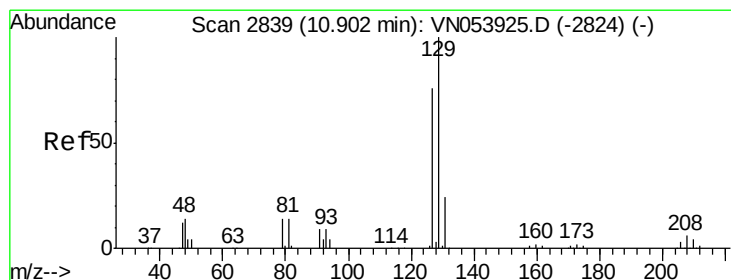
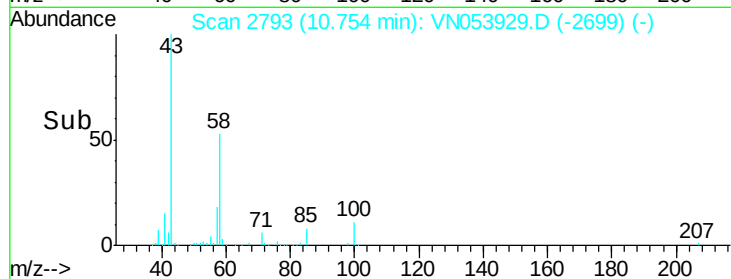
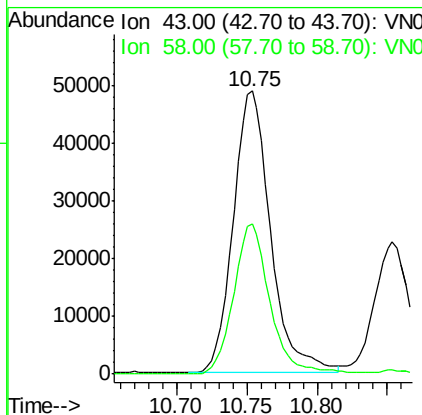
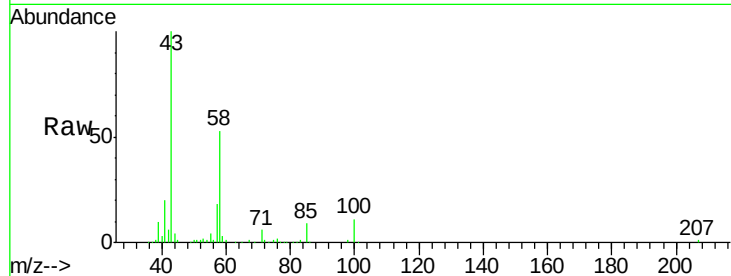
#59
2-Hexanone
Concen: 23.048 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN053929.D
Acq: 25 Feb 2019 14:50

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion: 43 Resp: 90669
Ion Ratio Lower Upper
43 100
58 52.1 29.1 87.4

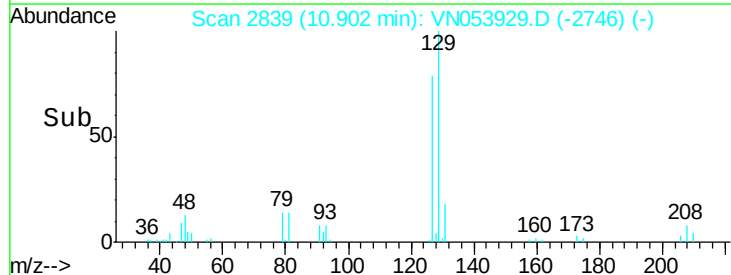
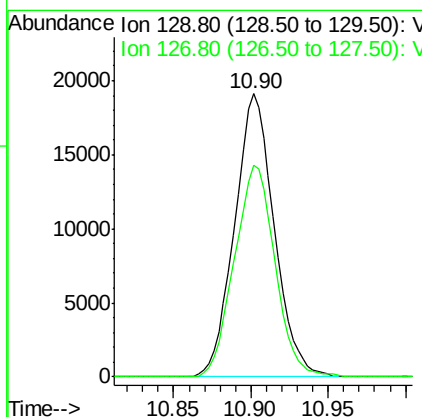
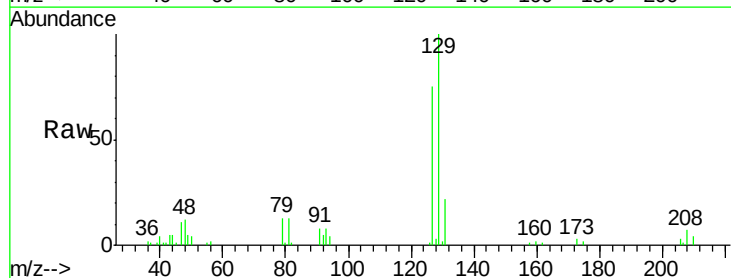
Manual Integrations
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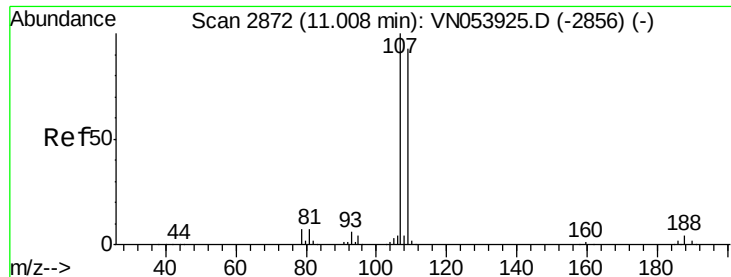
MMDadoda
2/28/2019 10:48:23 AM



#60
Dibromochloromethane
Concen: 4.640 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053929.D
Acq: 25 Feb 2019 14:50

Tgt Ion:129 Resp: 34015
Ion Ratio Lower Upper
129 100
127 76.5 38.8 116.3





#61

1,2-Dibromoethane

Concen: 4.907 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN053929.D

Acq: 25 Feb 2019 14:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:107 Resp: 31222

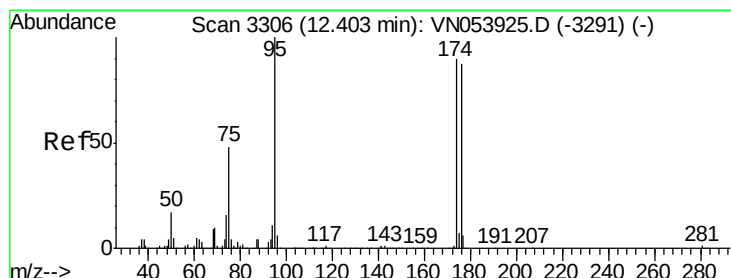
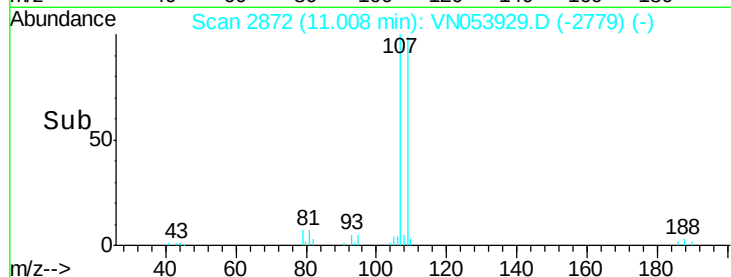
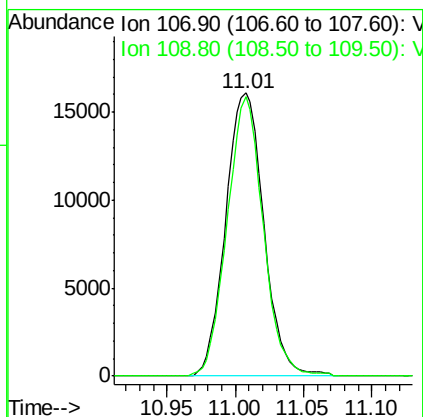
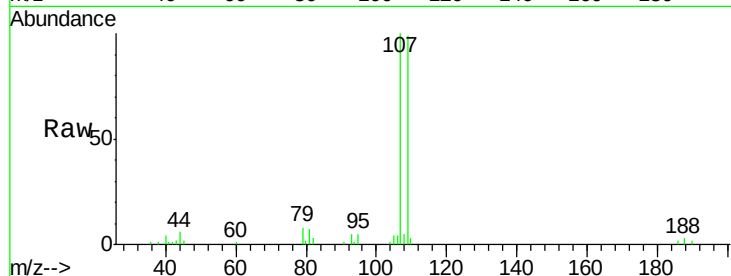
Ion Ratio Lower Upper

107 100

109 93.5 76.3 114.5

Manual Integrations
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2/28/2019 10:48:23 AM



#62

4-Bromofluorobenzene

Concen: 4.830 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN053929.D

Acq: 25 Feb 2019 14:50

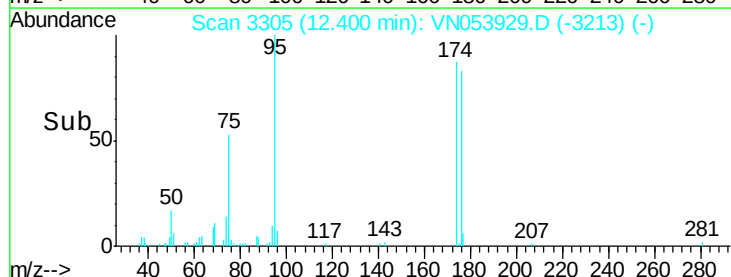
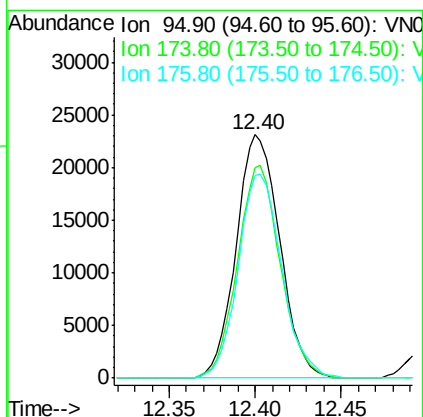
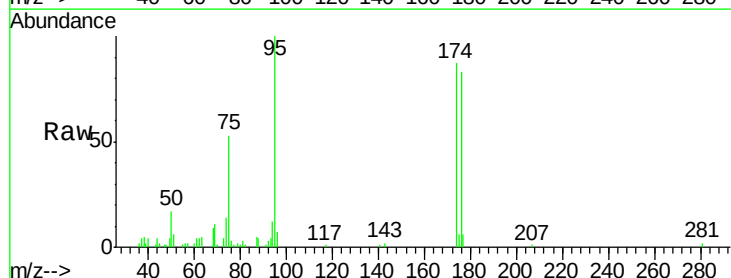
Tgt Ion: 95 Resp: 40665

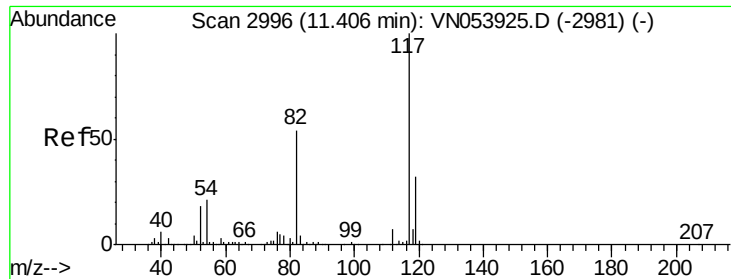
Ion Ratio Lower Upper

95 100

174 85.8 0.0 188.8

176 83.7 0.0 182.6





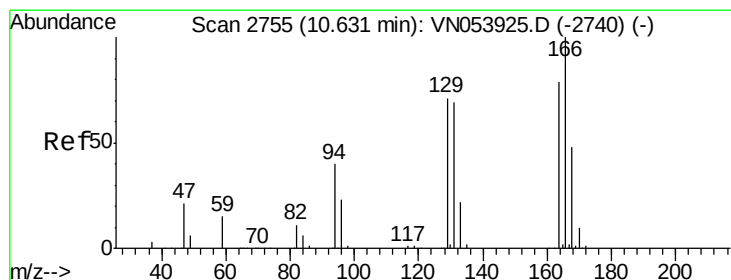
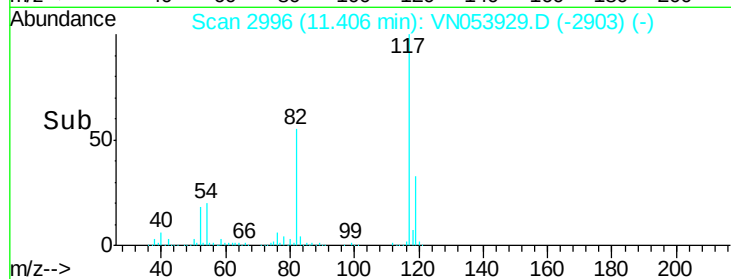
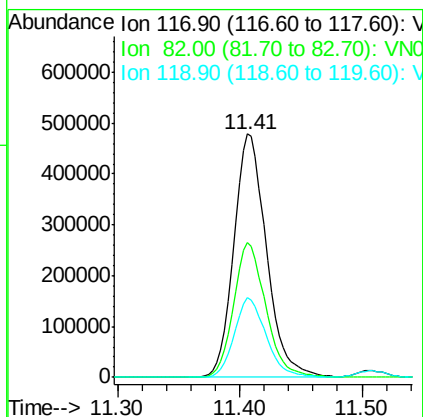
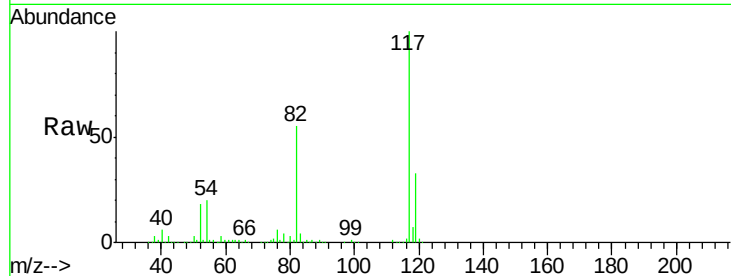
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053929.D
Acq: 25 Feb 2019 14:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
117	100	888193		
82	55.3	41.4	62.2	
119	32.5	25.3	37.9	

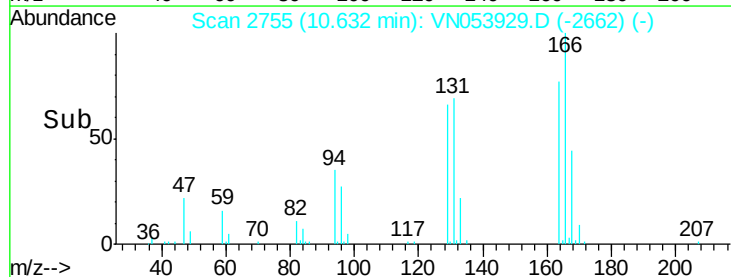
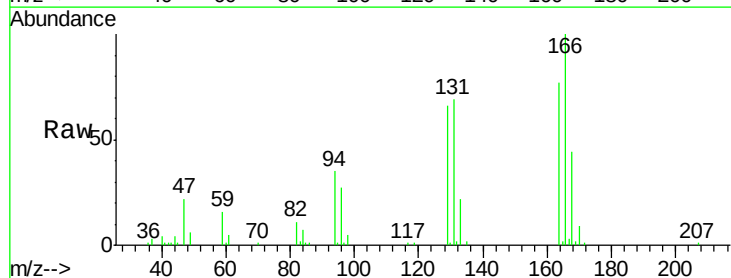
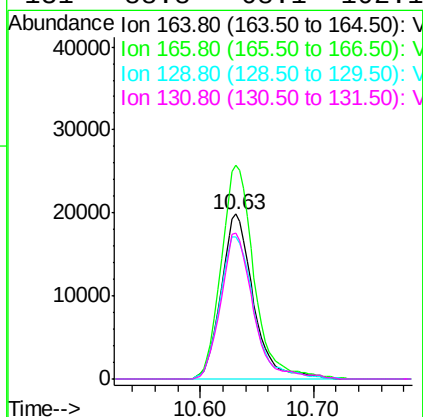
Manual Integrations
APPROVED

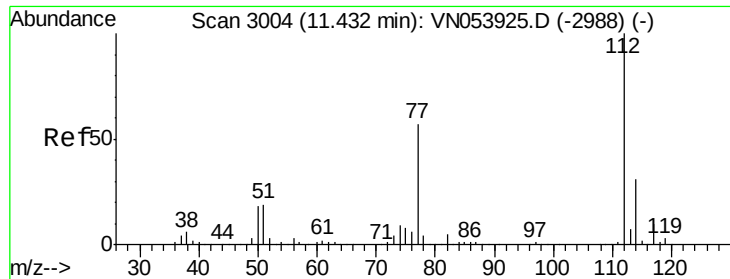
MMDadoda
2/28/2019 10:48:23 AM



#64
Tetrachloroethene
Concen: 5.216 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053929.D
Acq: 25 Feb 2019 14:50

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	39229		
166	129.5	102.6	153.8	
129	85.9	69.4	104.0	
131	88.8	68.1	102.1	





#65

Chlorobenzene

Concen: 5.088 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN053929.D

Acq: 25 Feb 2019 14:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:112 Resp: 95375

Ion Ratio Lower Upper

112 100

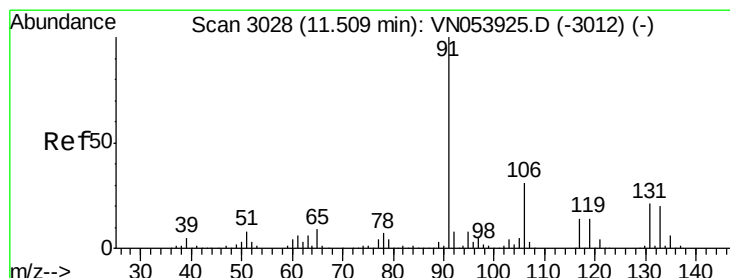
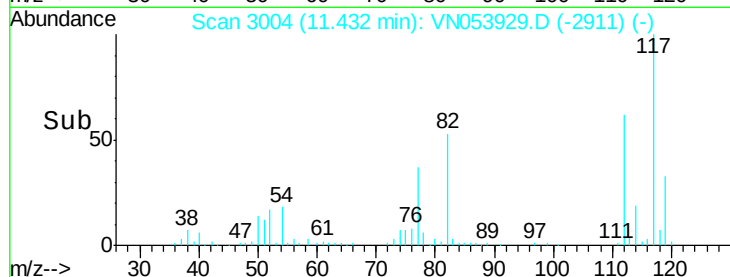
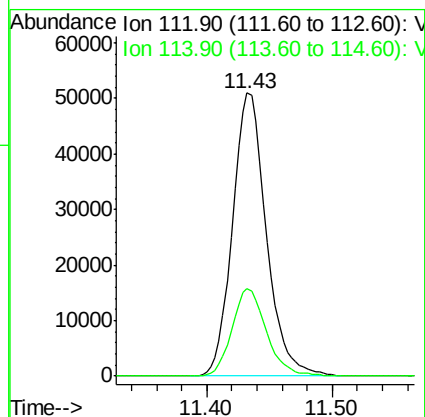
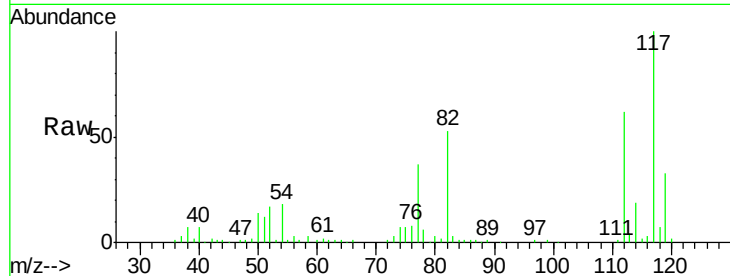
114 31.0 25.7 38.5

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 4.833 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN053929.D

Acq: 25 Feb 2019 14:50

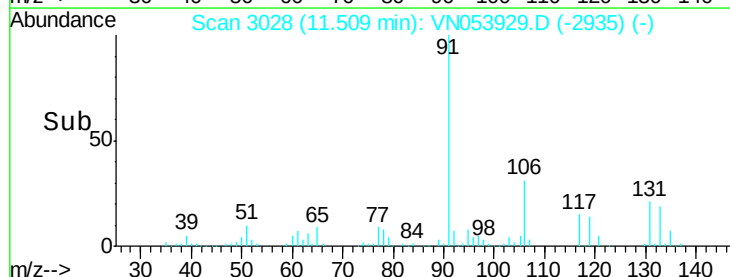
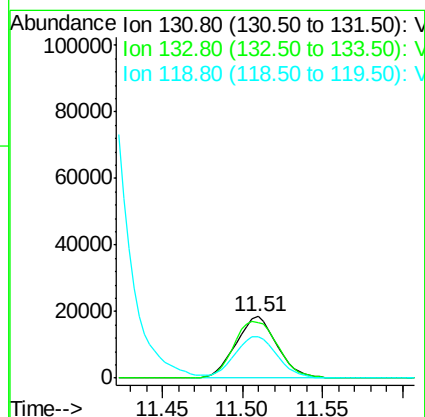
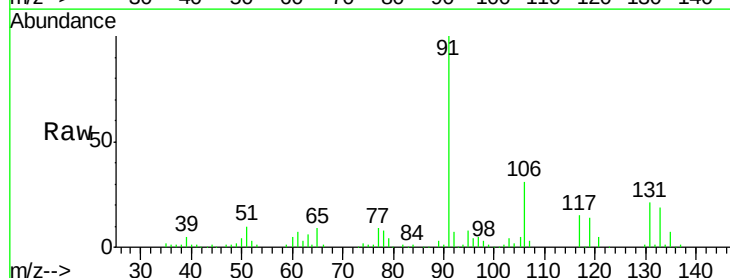
Tgt Ion:131 Resp: 32648

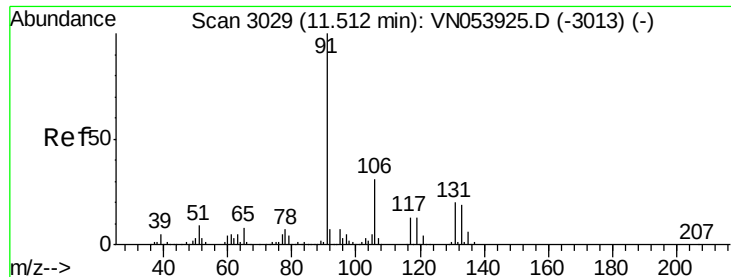
Ion Ratio Lower Upper

131 100

133 99.0 47.7 143.1

119 69.8 33.1 99.3





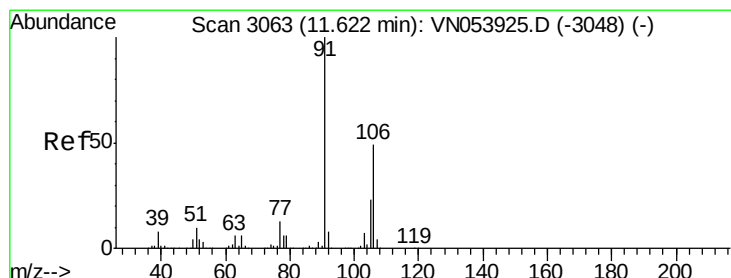
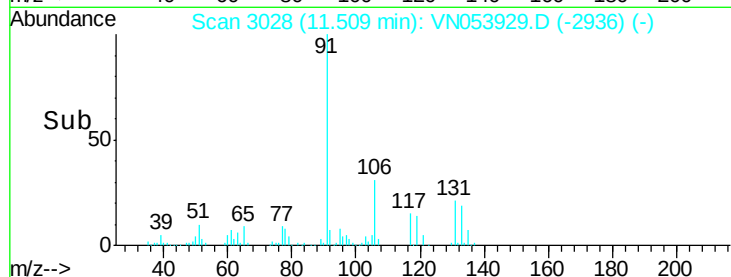
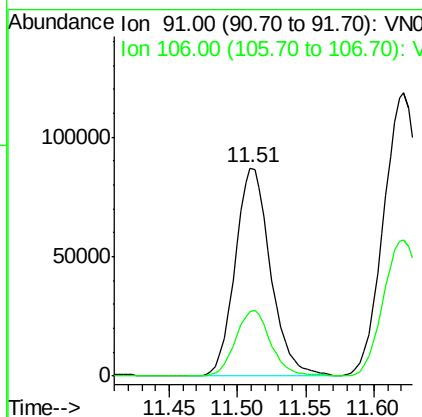
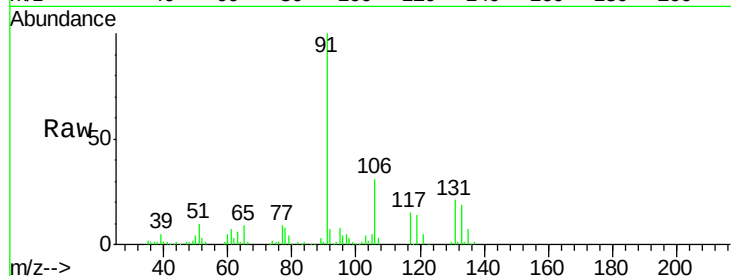
#67
Ethyl Benzene
Concen: 4.986 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053929.D
Acq: 25 Feb 2019 14:50

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion: 91 Resp: 156683
Ion Ratio Lower Upper
91 100
106 31.2 25.2 37.8

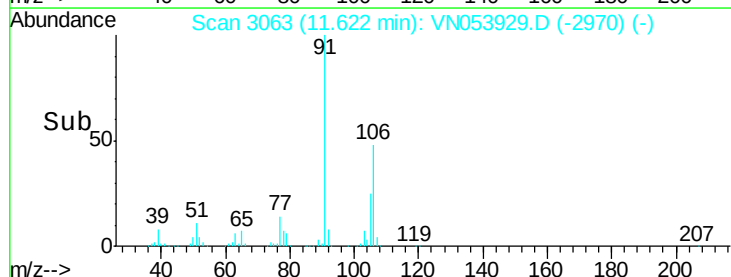
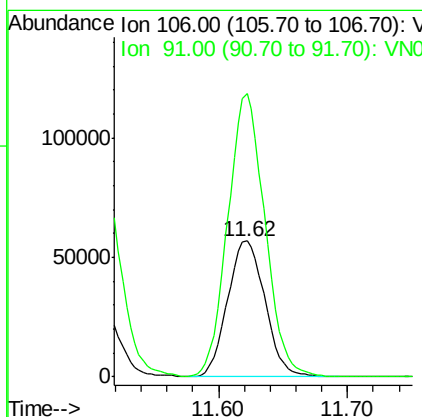
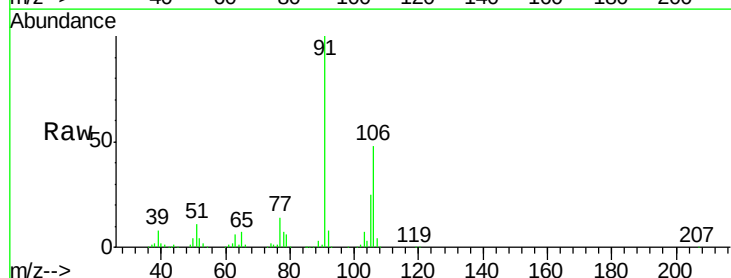
Manual Integrations
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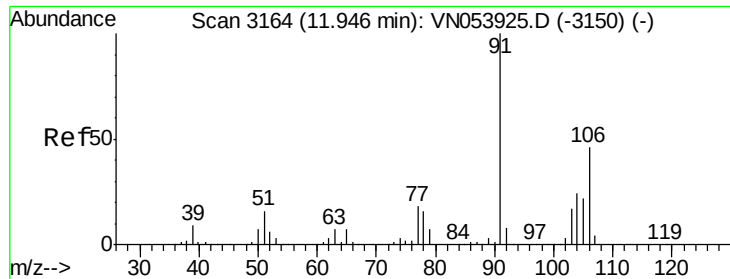
MMDadoda
2/28/2019 10:48:23 AM



#68
m/p-Xylenes
Concen: 9.702 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053929.D
Acq: 25 Feb 2019 14:50

Tgt Ion: 106 Resp: 115070
Ion Ratio Lower Upper
106 100
91 205.7 158.9 238.3





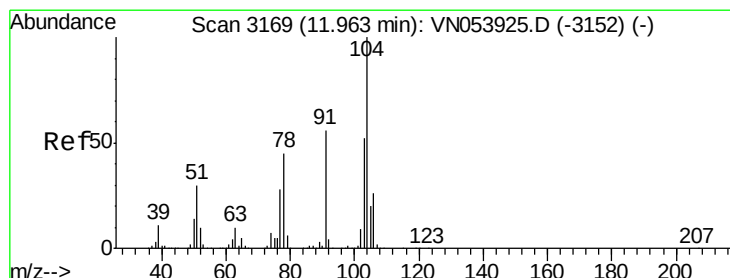
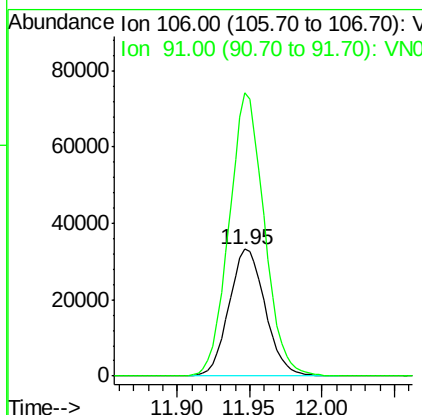
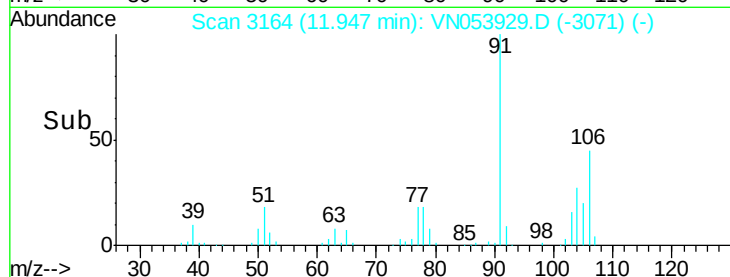
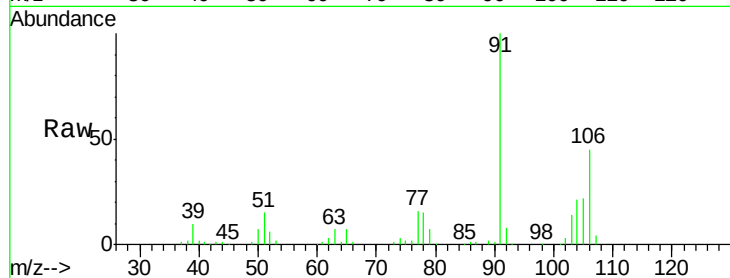
#69
o-Xylene
Concen: 4.952 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053929.D
Acq: 25 Feb 2019 14:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:106 Resp: 57712
Ion Ratio Lower Upper
106 100
91 216.6 106.0 318.0

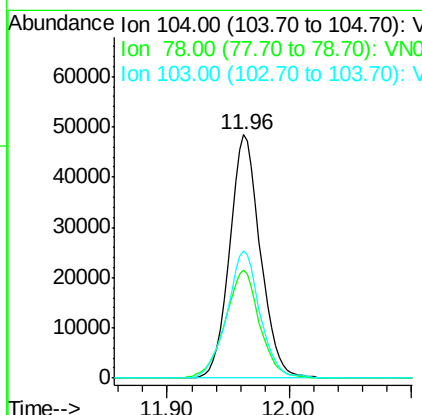
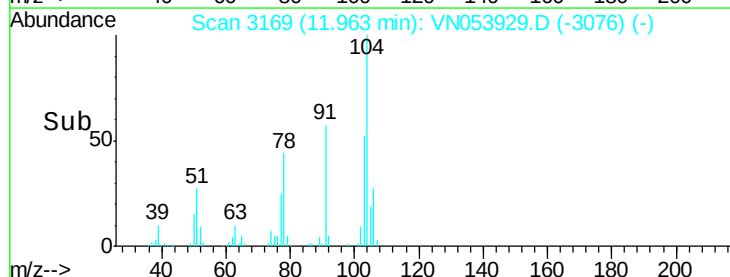
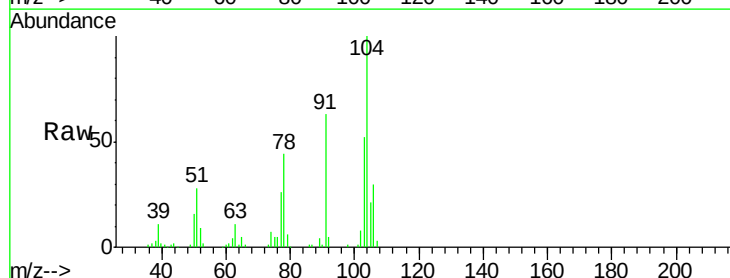
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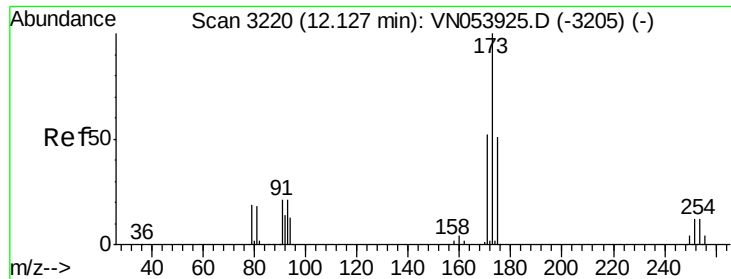
MMDadoda
2/28/2019 10:48:23 AM



#70
Styrene
Concen: 4.741 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053929.D
Acq: 25 Feb 2019 14:50

Tgt Ion:104 Resp: 84983
Ion Ratio Lower Upper
104 100
78 49.6 38.1 57.1
103 56.3 44.6 67.0





#71

Bromoform

Concen: 4.691 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN053929.D

Acq: 25 Feb 2019 14:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:173 Resp: 22048

Ion Ratio Lower Upper

173 100

175 50.2 24.3 72.8

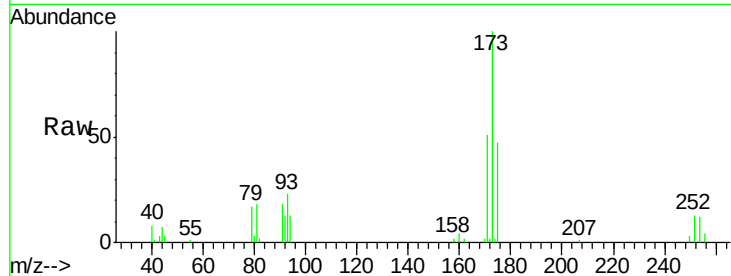
254 0.0 0.2 0.2#

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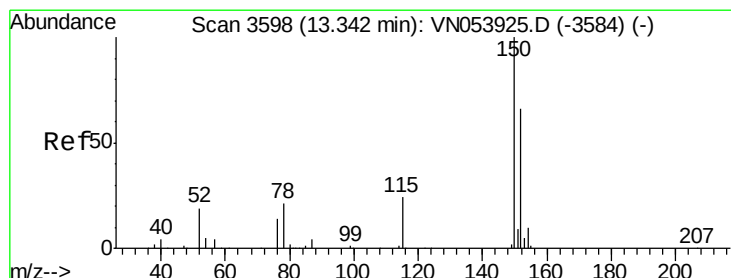
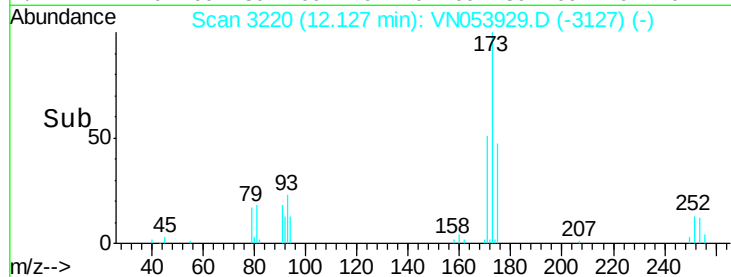
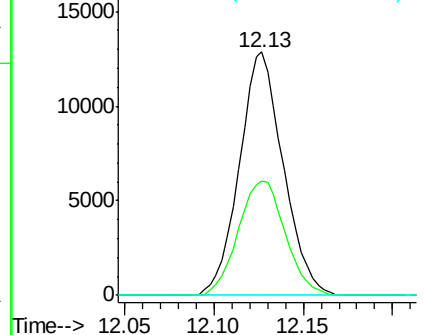
2/28/2019 10:48:23 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN053929.D

Acq: 25 Feb 2019 14:50

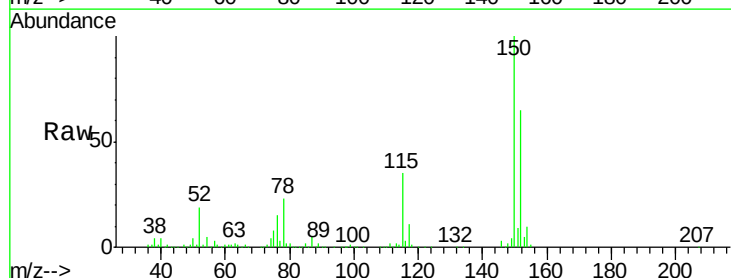
Tgt Ion:152 Resp: 351591

Ion Ratio Lower Upper

152 100

115 55.8 27.2 81.6

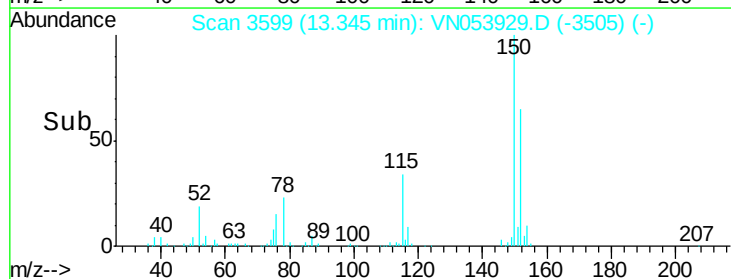
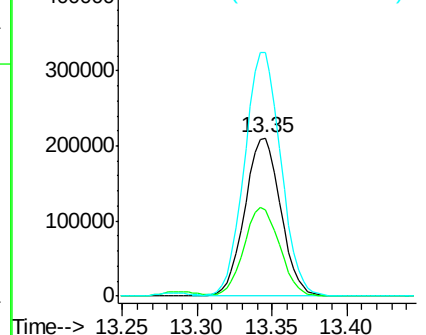
150 156.1 0.0 348.2

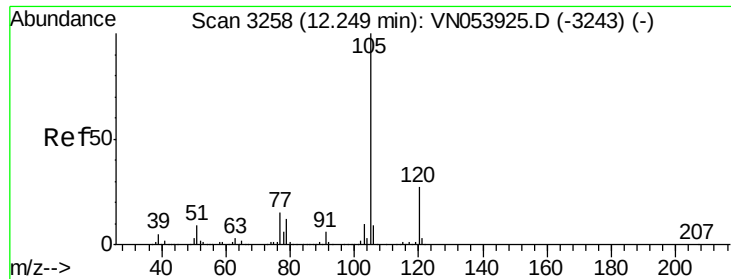


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 5.558 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053929.D

Acq: 25 Feb 2019 14:50

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion: 105 Resp: 152128

Ion Ratio Lower Upper

105 100

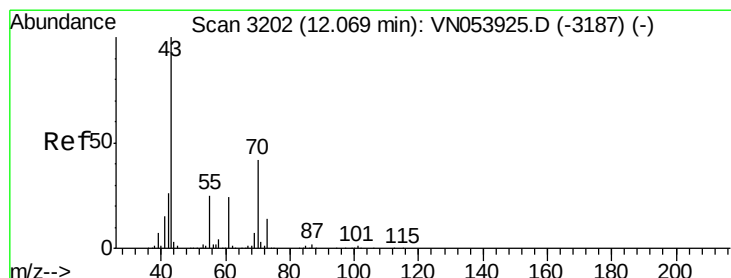
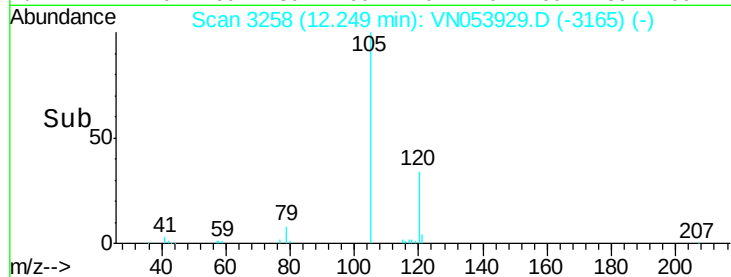
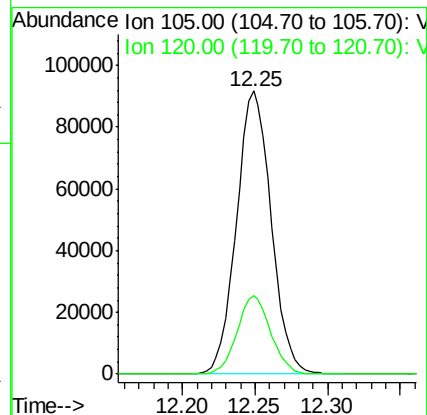
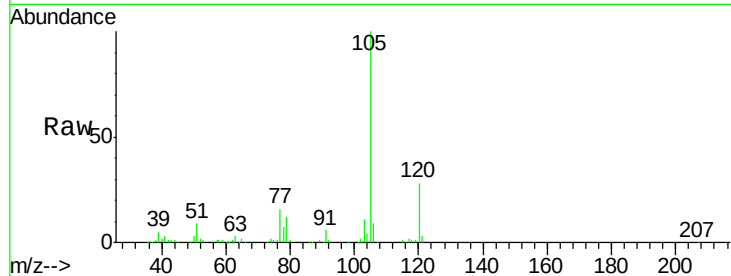
120 26.7 13.5 40.5

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#74

N-ethyl acetate

Concen: 5.080 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN053929.D

Acq: 25 Feb 2019 14:50

Tgt Ion: 43 Resp: 36442

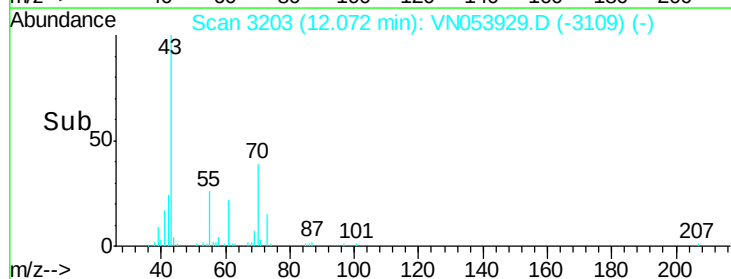
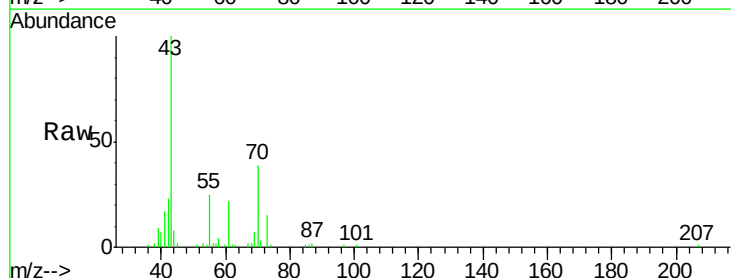
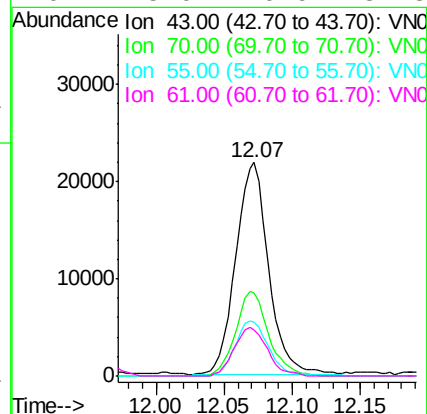
Ion Ratio Lower Upper

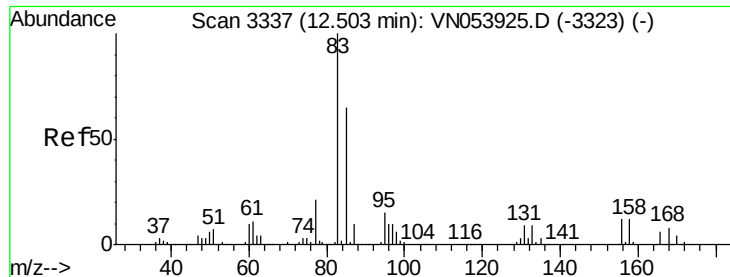
43 100

70 39.8 37.4 56.2

55 26.8 21.4 32.0

61 23.0 20.9 31.3





#75

1,1,2,2-Tetrachloroethane

Concen: 5.631 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN053929.D

Acq: 25 Feb 2019 14:50

Instrument :

MSVOA_N

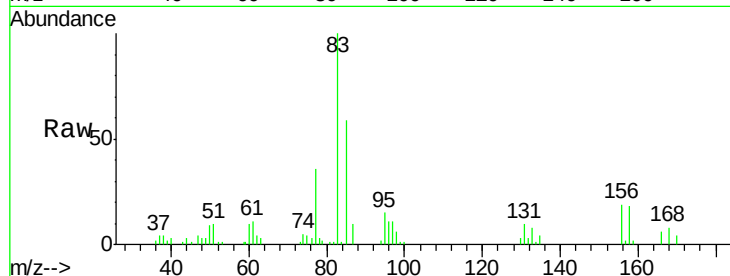
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	38540
Ion Ratio	Lower	Upper	
83	100		
131	9.4	5.3	16.1
85	61.9	31.9	95.9

Manual Integrations
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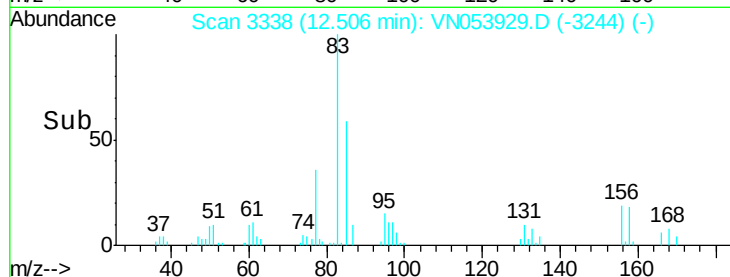


Abundance Ion 82.90 (82.60 to 83.60): VN053929.D (-3337) (-)

Ion 130.80 (130.50 to 131.50): VN053929.D (-3337) (-)

Ion 84.90 (84.60 to 85.60): VN053929.D (-3337) (-)

Time-->

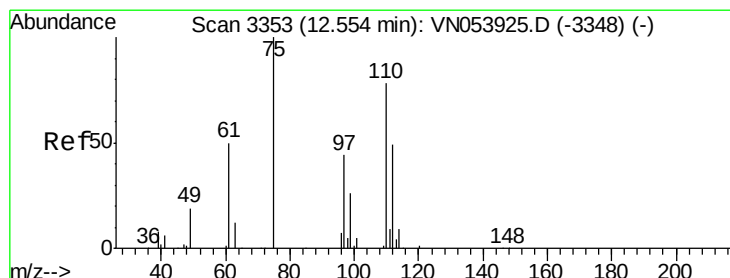


Abundance Ion 82.90 (82.60 to 83.60): VN053929.D (-3337) (-)

Ion 130.80 (130.50 to 131.50): VN053929.D (-3337) (-)

Ion 84.90 (84.60 to 85.60): VN053929.D (-3337) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 5.380 ug/l m

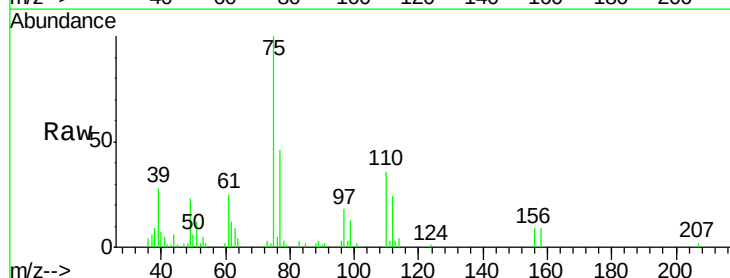
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN053929.D

Acq: 25 Feb 2019 14:50

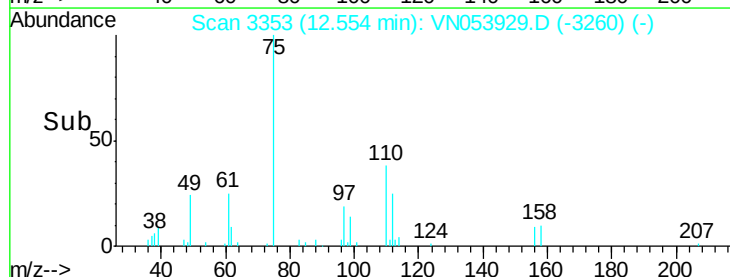
Tgt Ion:	75	Resp:	30342
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN053929.D (-3353) (-)

Ion 77.00 (76.70 to 77.70): VN053929.D (-3353) (-)

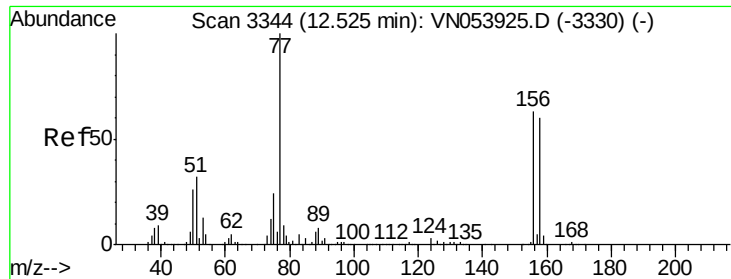
Time-->



Abundance Ion 74.90 (74.60 to 75.60): VN053929.D (-3353) (-)

Ion 77.00 (76.70 to 77.70): VN053929.D (-3353) (-)

Time-->



#77

Bromobenzene

Concen: 5.383 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053929.D

Acq: 25 Feb 2019 14:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:156 Resp: 37403

Ion Ratio Lower Upper

156 100

77 186.0 84.0 252.2

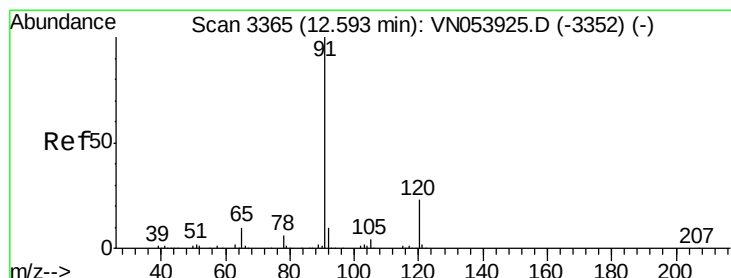
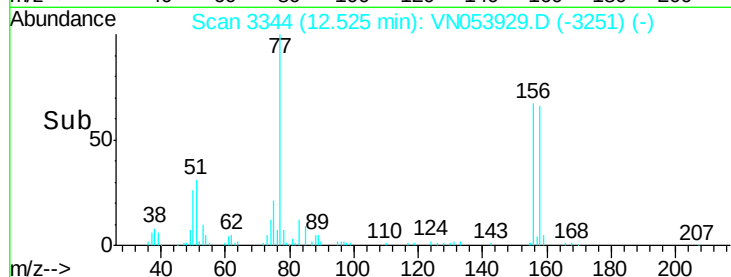
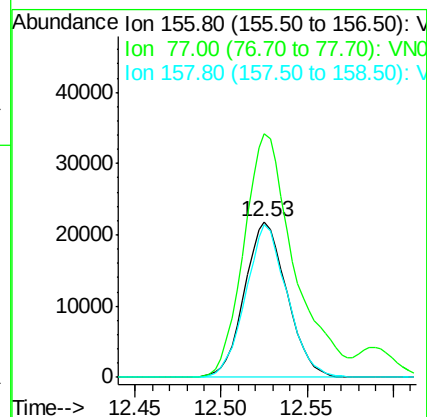
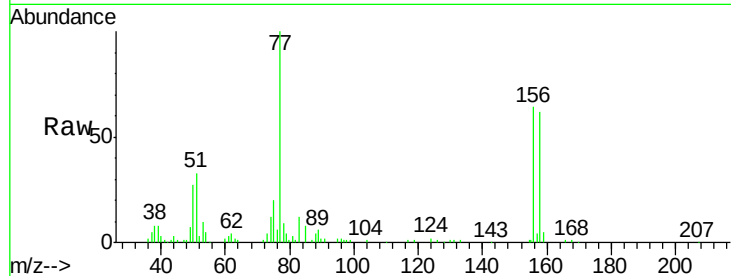
158 96.1 48.5 145.6

Manual Integrations

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#78

n-propylbenzene

Concen: 5.306 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN053929.D

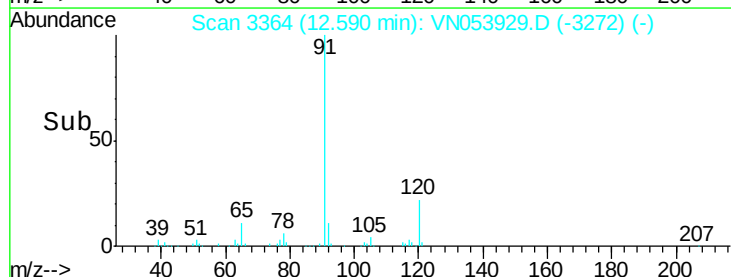
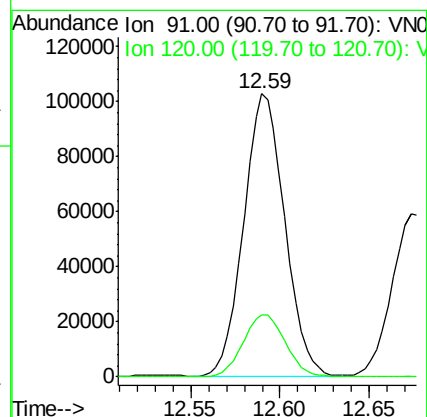
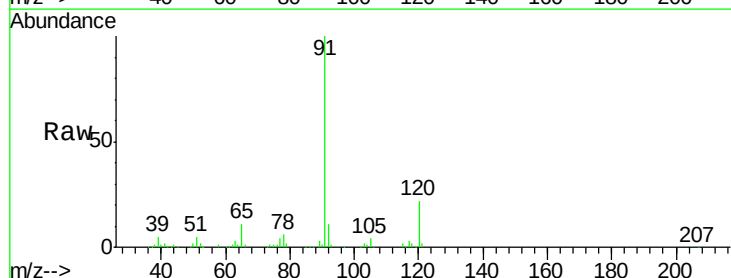
Acq: 25 Feb 2019 14:50

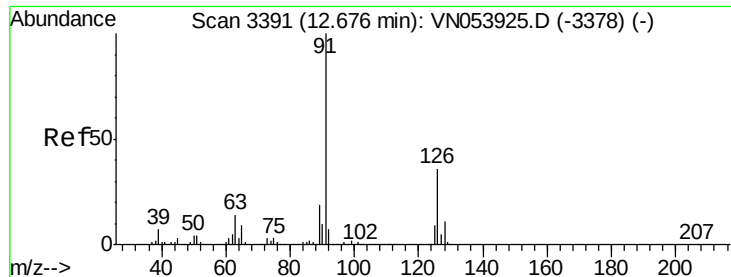
Tgt Ion: 91 Resp: 165148

Ion Ratio Lower Upper

91 100

120 22.6 11.9 35.9





#79

2-Chlorotoluene

Concen: 5.439 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053929.D

Acq: 25 Feb 2019 14:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 101702

Ion Ratio Lower Upper

91 100

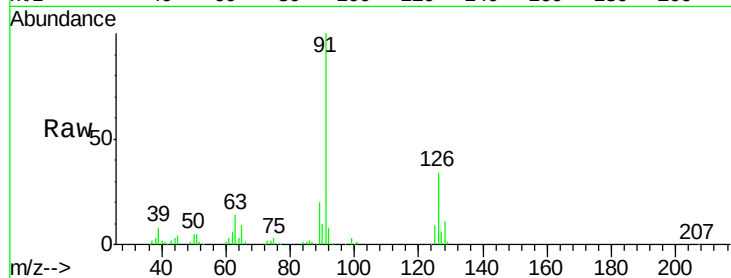
126 35.0 18.1 54.4

Manual Integrations

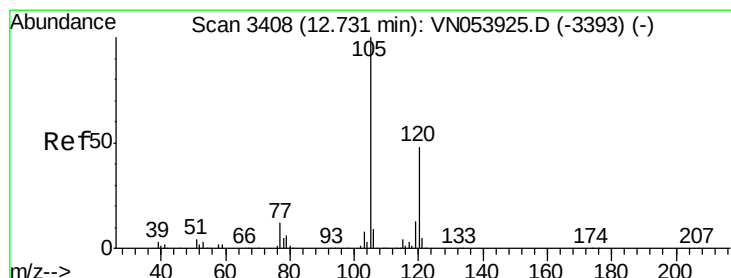
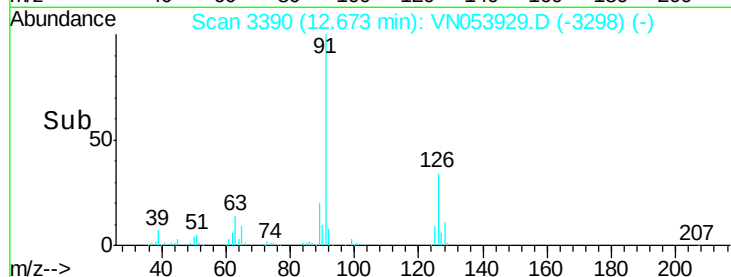
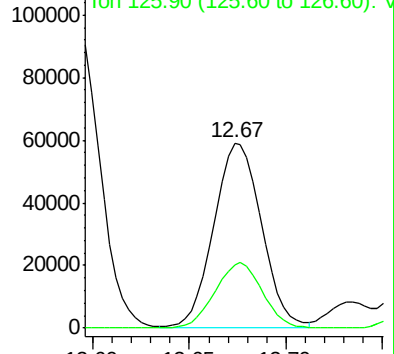
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Abundance Ion 91.00 (90.70 to 91.70): VN053925.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 5.397 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053929.D

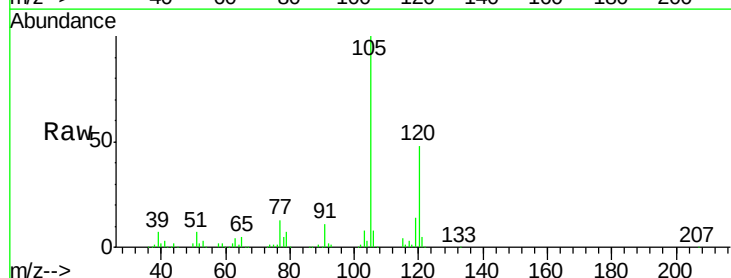
Acq: 25 Feb 2019 14:50

Tgt Ion: 105 Resp: 120922

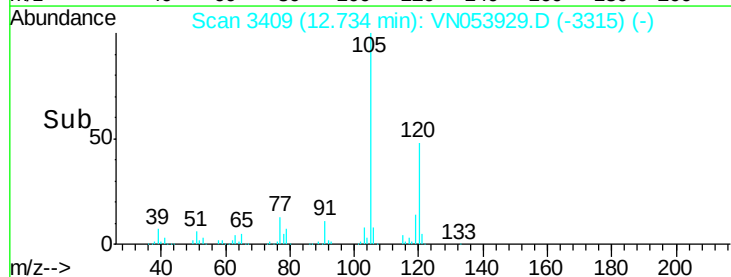
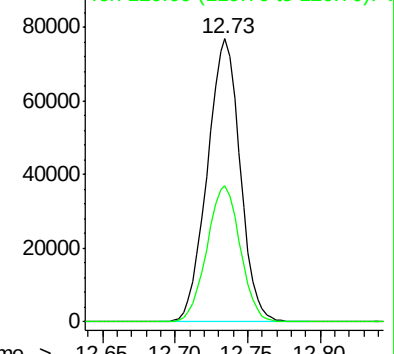
Ion Ratio Lower Upper

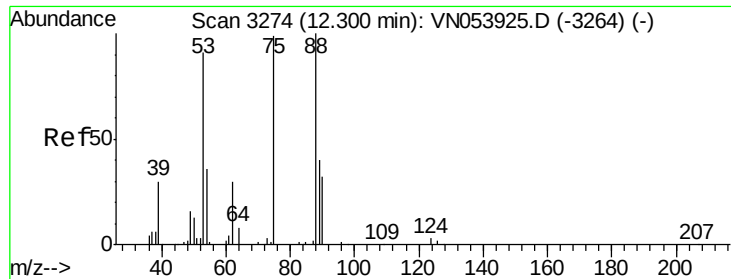
105 100

120 48.6 25.1 75.2



Abundance Ion 105.00 (104.70 to 105.70): VN053925.D (-3393) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 4.886 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053929.D

Acq: 25 Feb 2019 14:50

Instrument :

MSVOA_N

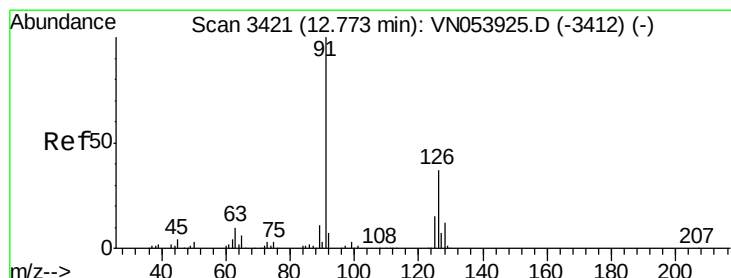
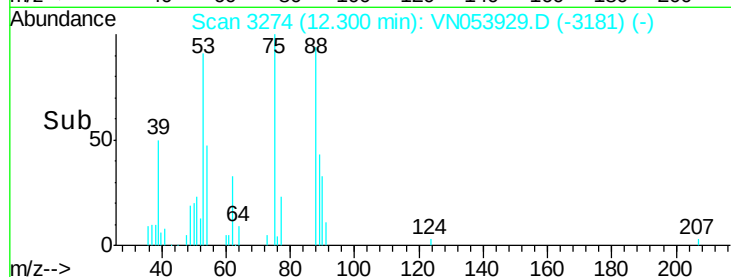
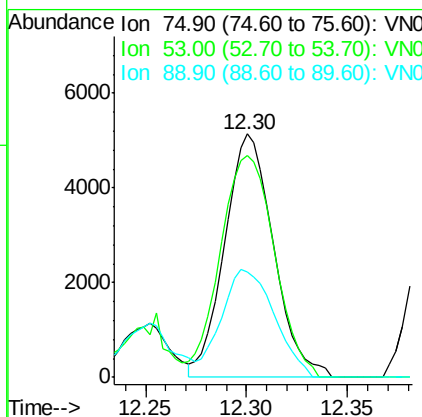
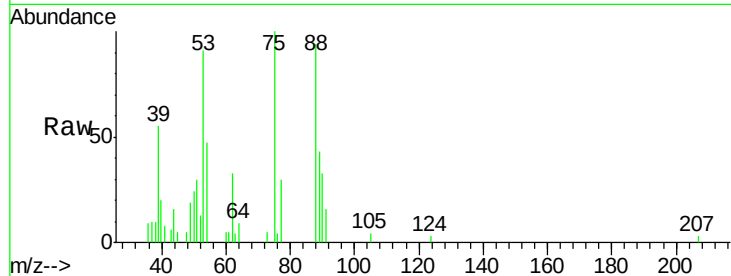
ClientSampleId :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
53	101.3	68.6	102.8
89	47.9	35.3	52.9

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#82

4-Chlorotoluene

Concen: 5.470 ug/l

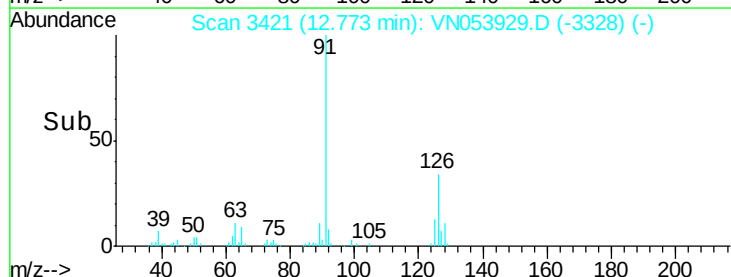
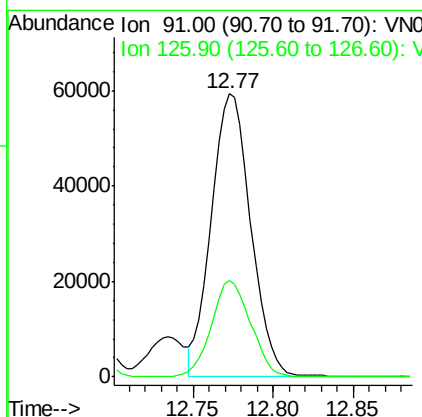
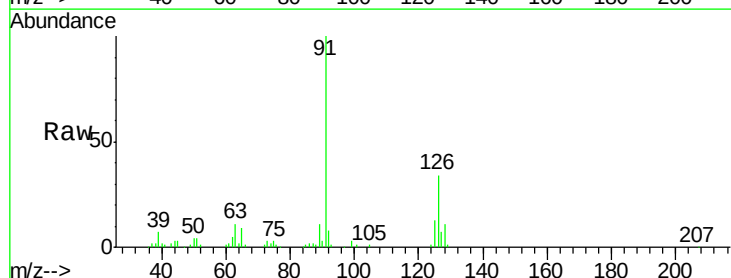
RT: 12.77 min Scan# 3421

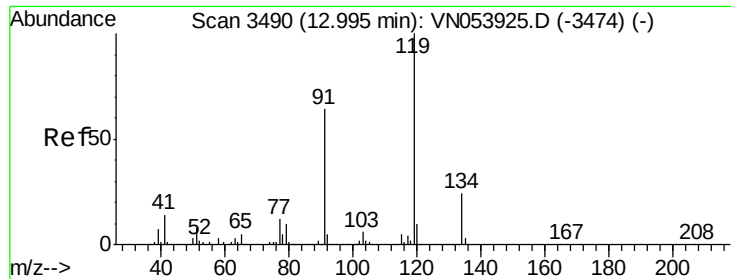
Delta R.T. 0.00 min

Lab File: VN053929.D

Acq: 25 Feb 2019 14:50

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.7	18.0	54.0





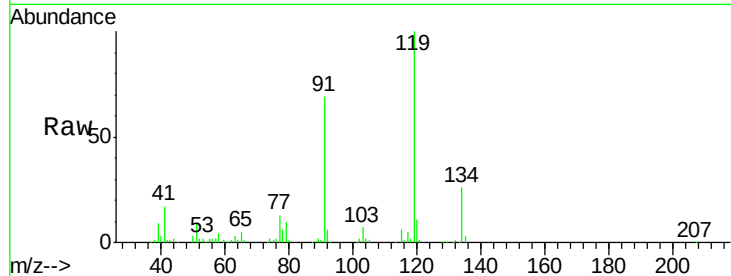
#83
tert-Butylbenzene
Concen: 5.527 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN053929.D
Acq: 25 Feb 2019 14:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

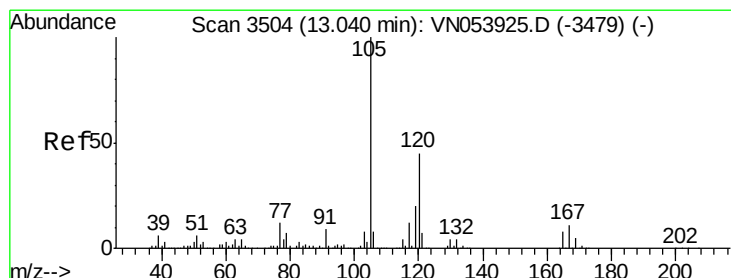
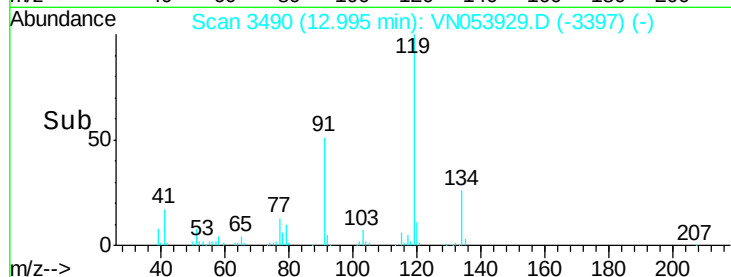
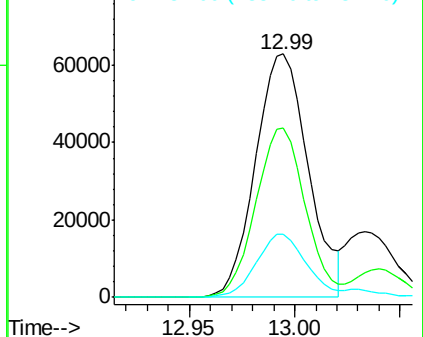
Tot Ion	Ratio	Lower	Upper
119	100		
91	65.1	30.6	91.8
134	24.5	13.0	39.0

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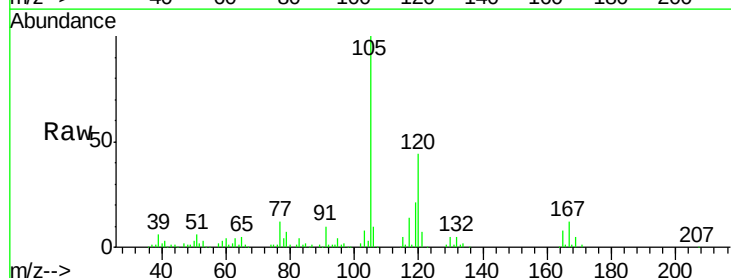


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

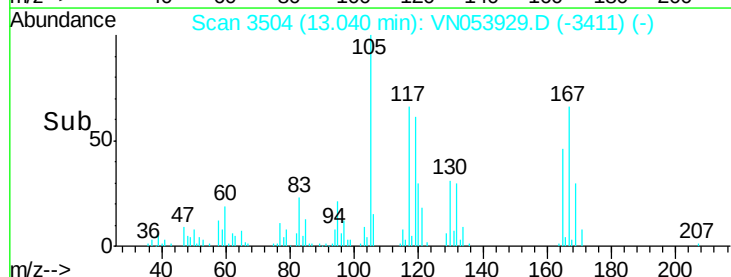
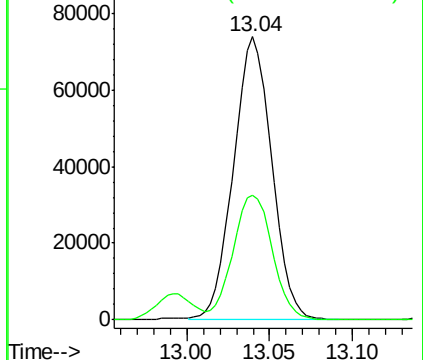


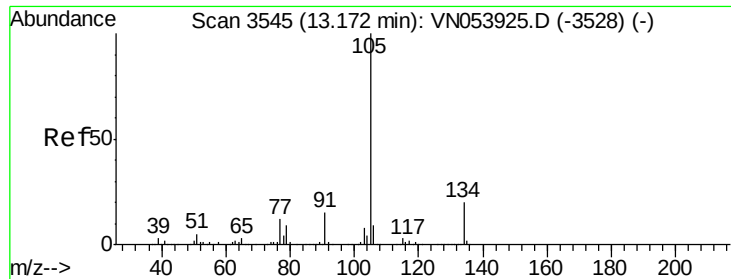
#84
1,2,4-Trimethylbenzene
Concen: 5.262 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN053929.D
Acq: 25 Feb 2019 14:50

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.0	23.2	69.5



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





#85

sec-Butylbenzene

Concen: 5.577 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053929.D

Acq: 25 Feb 2019 14:50

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion:105 Resp: 150939

Ion Ratio Lower Upper

105 100

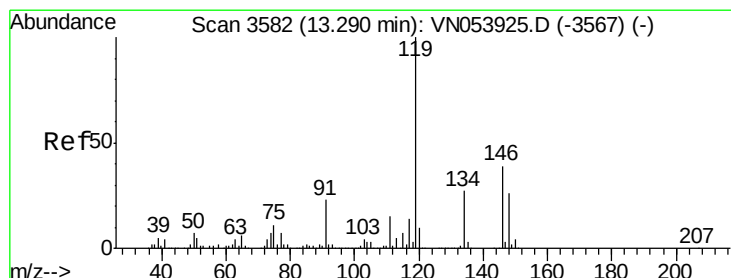
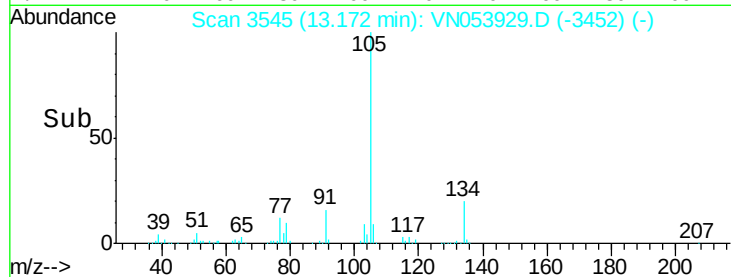
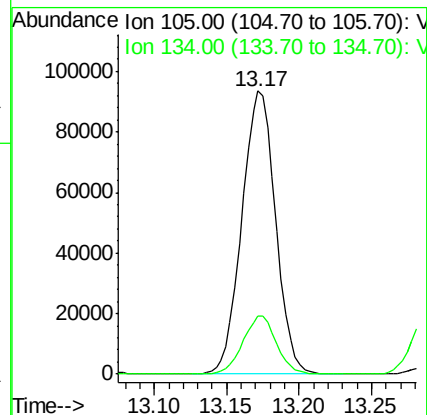
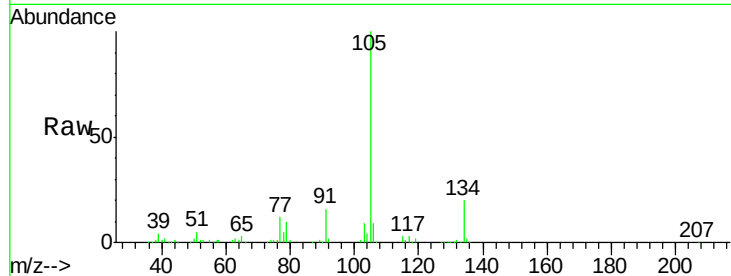
134 20.3 10.4 31.1

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 5.338 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN053929.D

Acq: 25 Feb 2019 14:50

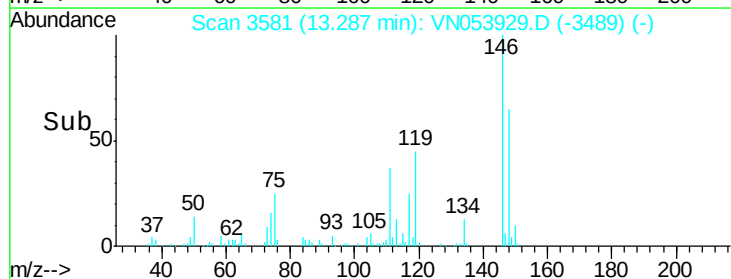
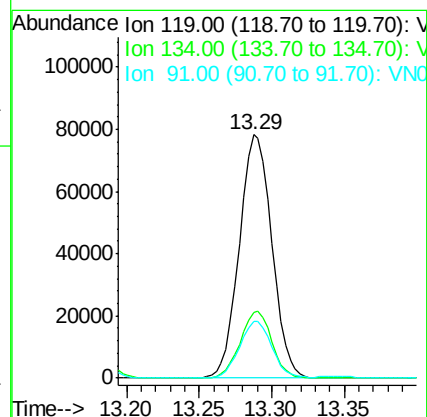
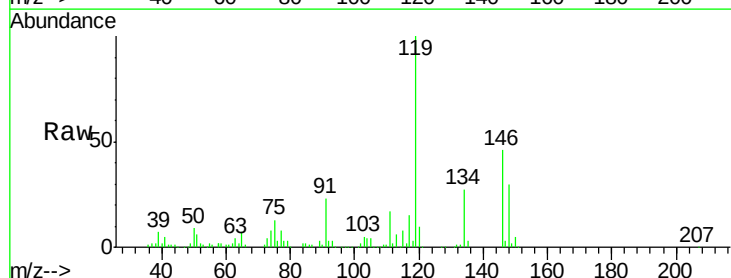
Tgt Ion:119 Resp: 122132

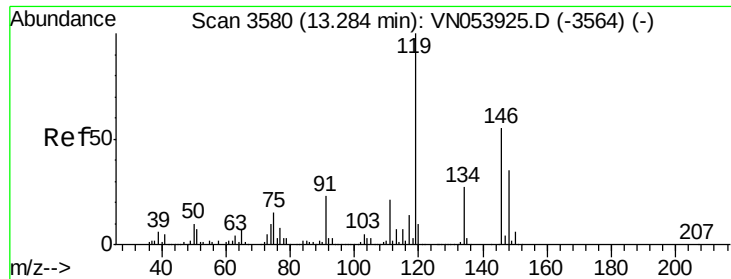
Ion Ratio Lower Upper

119 100

134 26.5 13.5 40.4

91 23.3 10.9 32.6





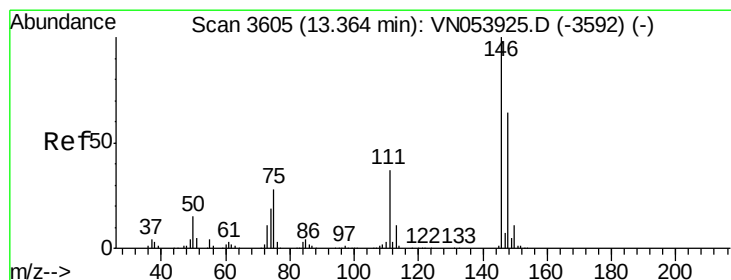
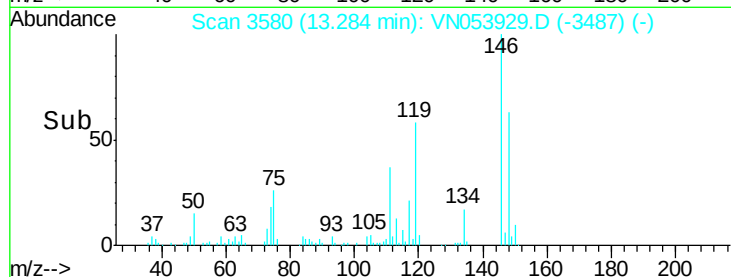
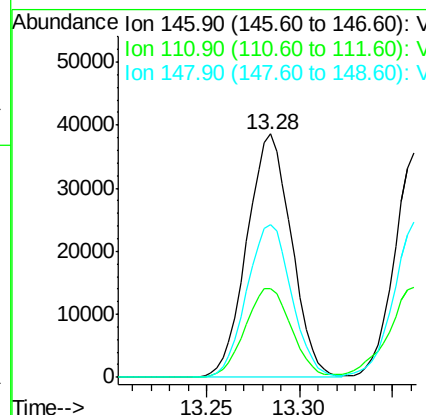
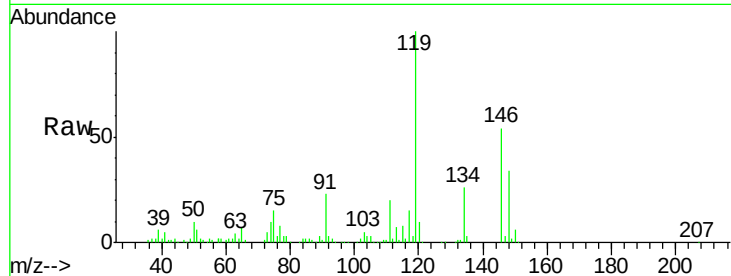
#87
 1,3-Dichlorobenzene
 Concen: 5.355 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN053929.D
 Acq: 25 Feb 2019 14:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.7	56.1
148	63.0	32.0	96.2

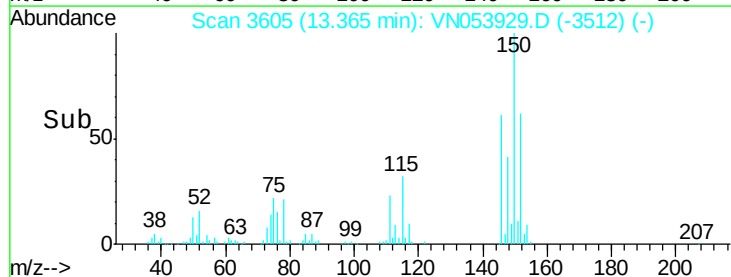
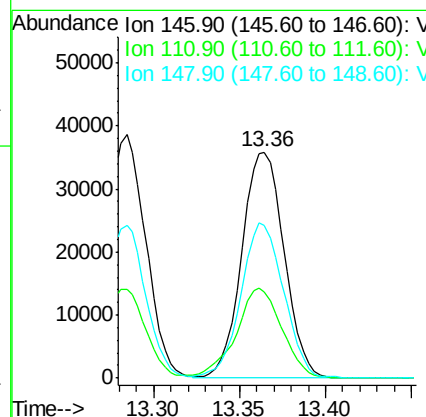
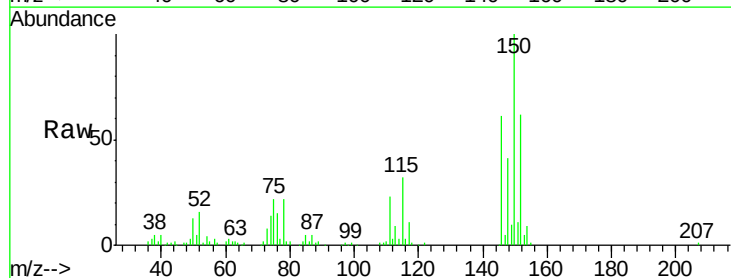
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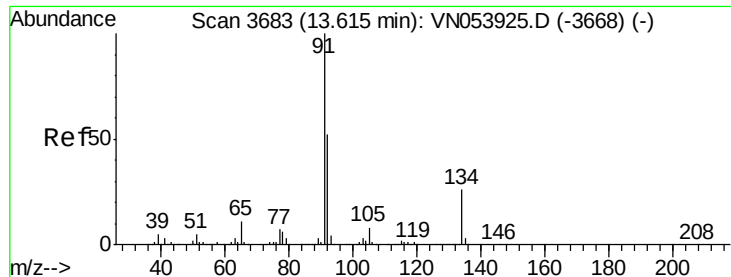
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#88
 1,4-Dichlorobenzene
 Concen: 5.270 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053929.D
 Acq: 25 Feb 2019 14:50

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.3	18.0	54.0
148	69.4	32.1	96.5





#89

n-Butylbenzene

Concen: 4.981 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN053929.D

Acq: 25 Feb 2019 14:50

Instrument :

MSVOA_N

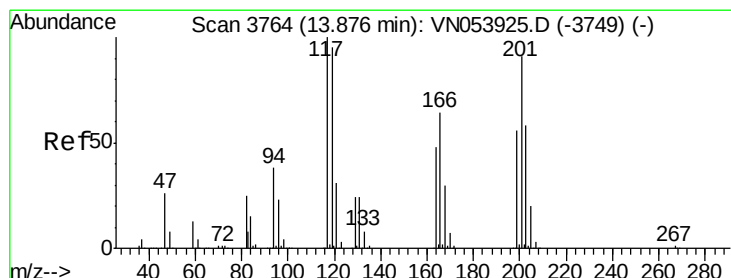
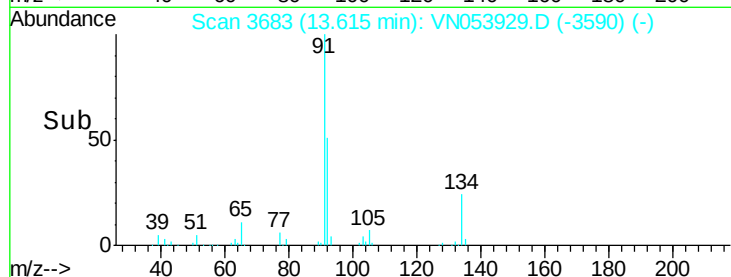
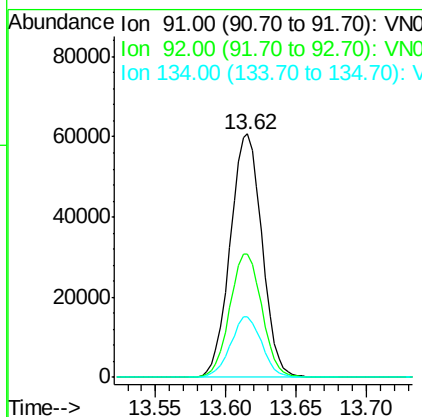
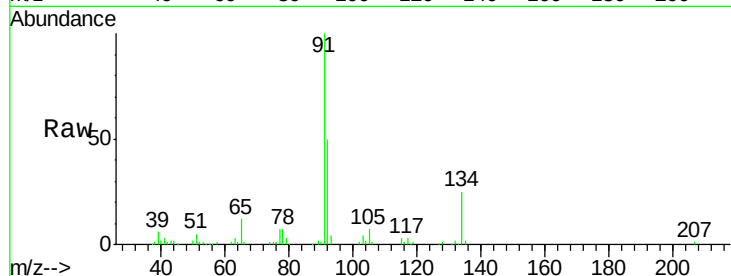
ClientSampleId :

VSTDIC005

Tot Ion:	91	Resp:	96053
Ion Ratio	Lower	Upper	
91	100		
92	51.1	26.1	78.2
134	24.4	13.6	40.8

Manual Integrations
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#90

Hexachloroethane

Concen: 5.403 ug/l

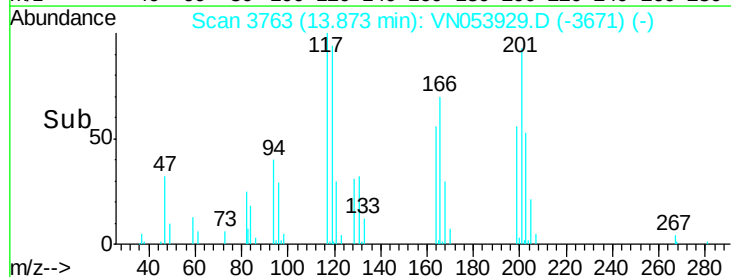
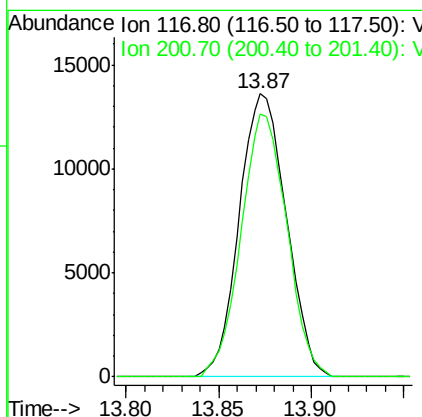
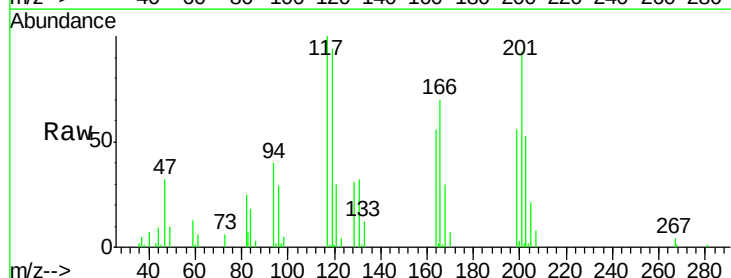
RT: 13.87 min Scan# 3763

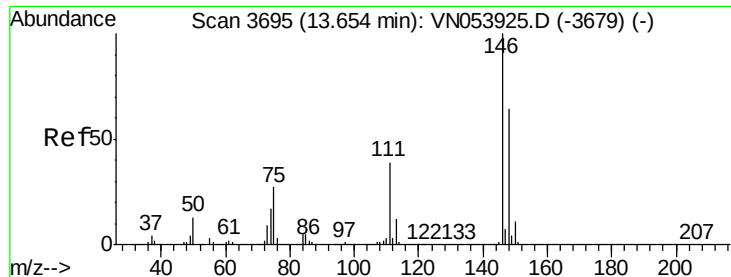
Delta R.T. -0.00 min

Lab File: VN053929.D

Acq: 25 Feb 2019 14:50

Tgt Ion:	117	Resp:	23956
Ion Ratio	Lower	Upper	
117	100		
201	90.2	48.0	144.2





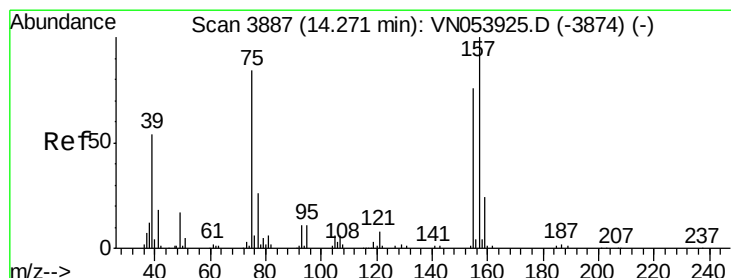
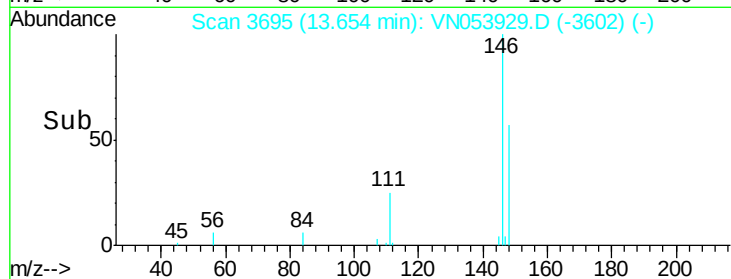
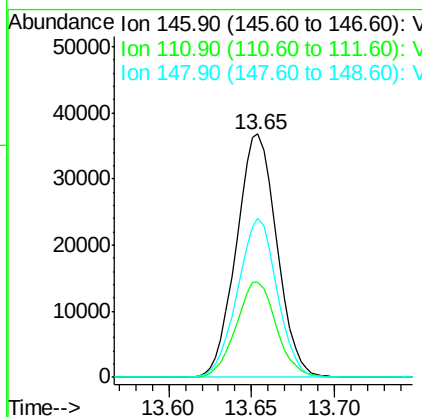
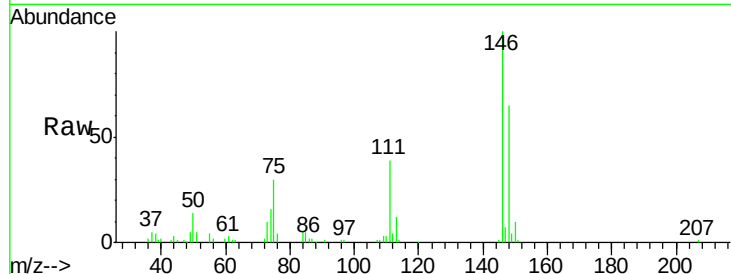
#91
 1,2-Dichlorobenzene
 Concen: 5.366 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN053929.D
 Acq: 25 Feb 2019 14:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.1	57.5
148	63.7	32.1	96.5

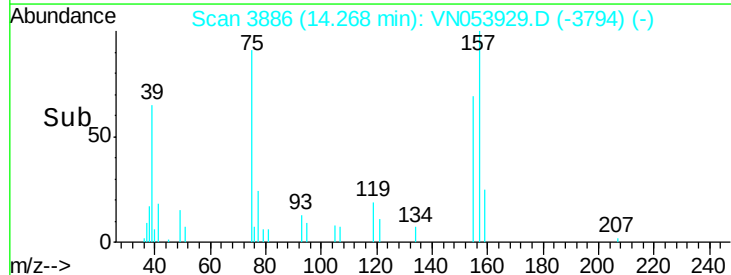
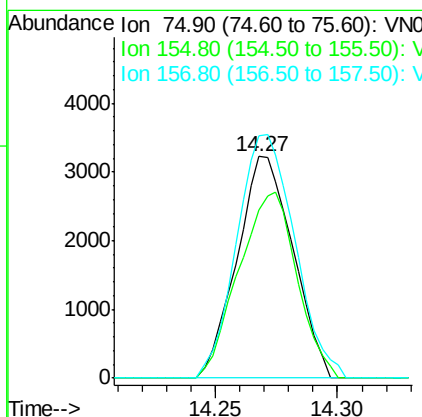
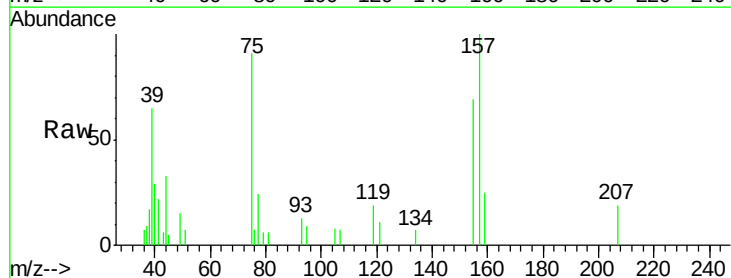
Manual Integrations
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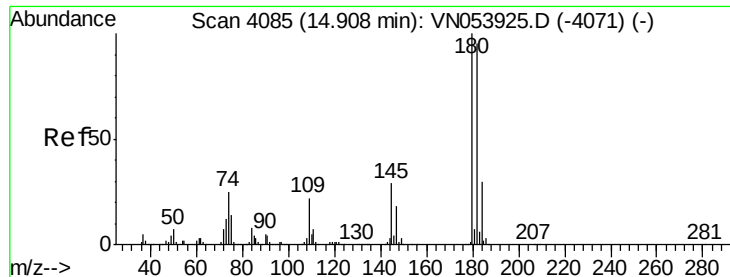
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.296 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN053929.D
 Acq: 25 Feb 2019 14:50

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.3	49.5	148.5
157	113.8	64.8	194.6





#93

1,2,4-Trichlorobenzene

Concen: 4.248 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN053929.D

Acq: 25 Feb 2019 14:50

Instrument :

MSVOA_N

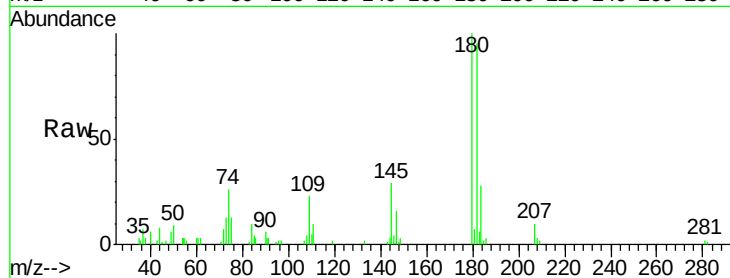
ClientSampleId :

VSTDIC005

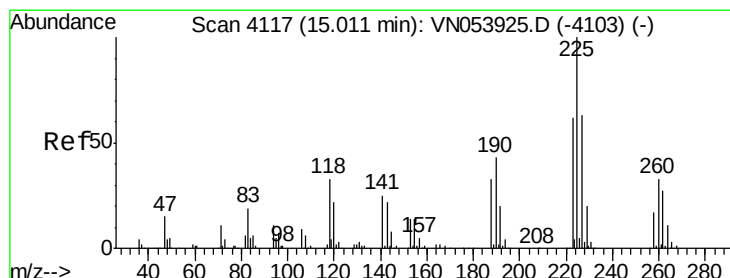
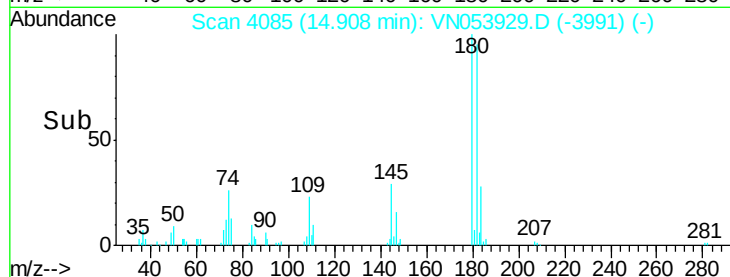
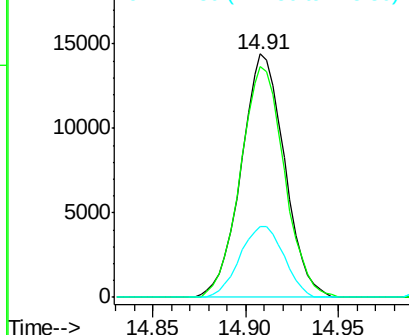
Tot Ion:	180	Resp:	23465
Ion Ratio	Lower	Upper	
180	100		
182	95.9	48.6	145.9
145	29.5	13.8	41.3

Manual Integrations
APPROVED

MMDadoda
2/28/2019 10:48:23 AM



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 5.551 ug/l

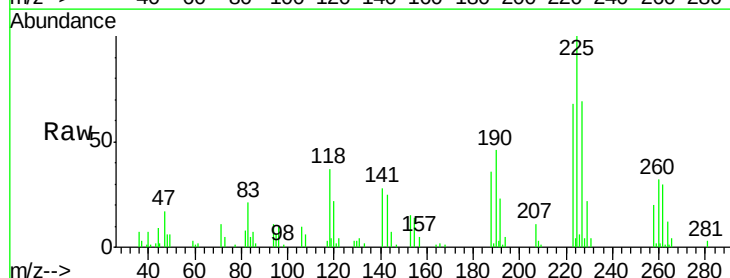
RT: 15.01 min Scan# 4116

Delta R.T. -0.00 min

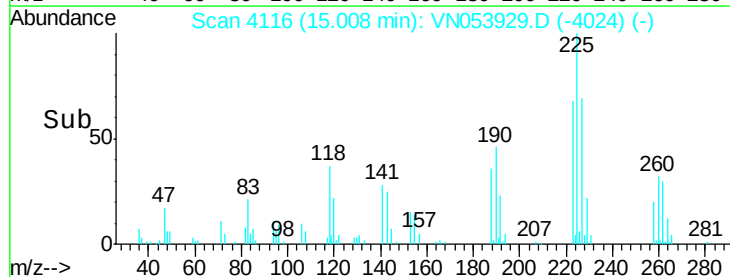
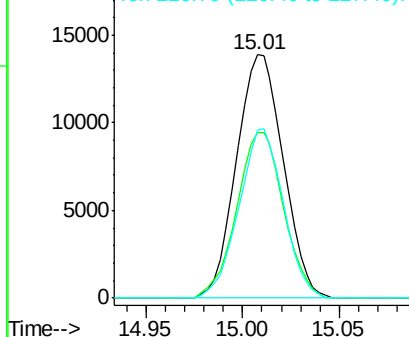
Lab File: VN053929.D

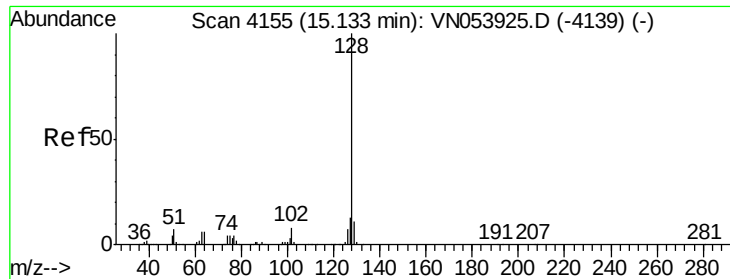
Acq: 25 Feb 2019 14:50

Tgt Ion:	225	Resp:	23334
Ion Ratio	Lower	Upper	
225	100		
223	68.1	30.9	92.5
227	65.9	32.5	97.4



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 4.102 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053929.D

Acq: 25 Feb 2019 14:50

Instrument :

MSVOA_N

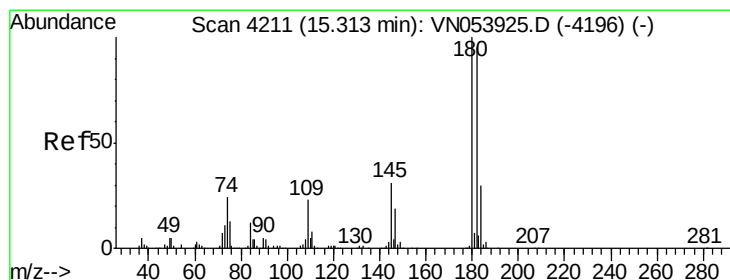
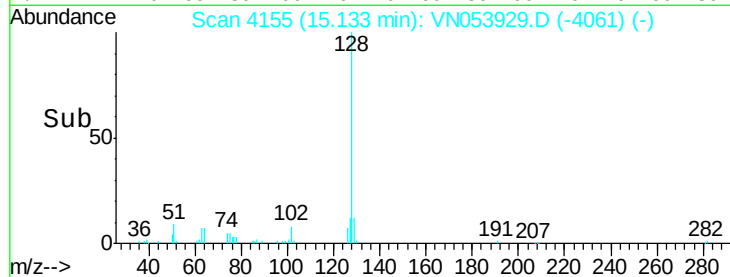
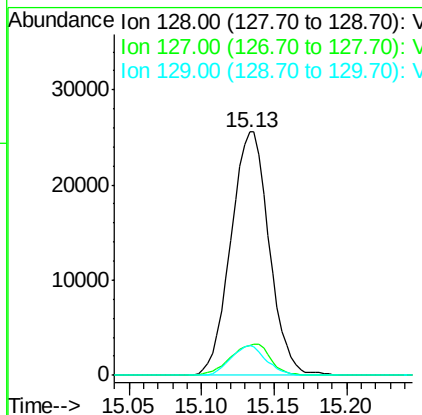
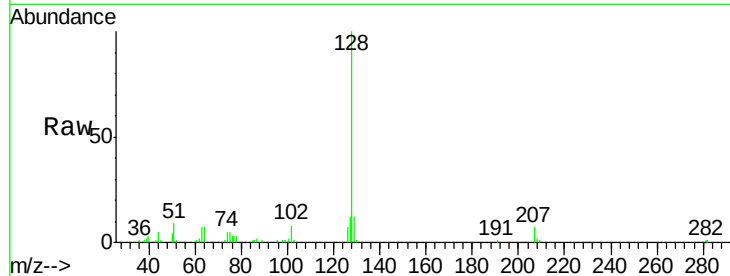
ClientSampleId :

VSTDIC005

Tot Ion:	128	Resp:	46922
Ion Ratio	Lower	Upper	
128	100		
127	13.4	10.2	15.2
129	11.1	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
2/28/2019 10:48:23 AM



#96

1,2,3-Trichlorobenzene

Concen: 4.696 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN053929.D

Acq: 25 Feb 2019 14:50

Tgt Ion:	180	Resp:	26044
Ion Ratio	Lower	Upper	
180	100		
182	94.2	47.3	141.8
145	28.6	14.4	43.0

