

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042519\
 Data File : VN055234.D
 Acq On : 25 Apr 2019 9:25
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMdadoda
 4/26/2019 10:58:48 AM

Quant Time: Apr 26 02:23:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042219W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 05:52:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	441977	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	695145	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	602023	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	253571	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	291899	48.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.58%	
35) Dibromofluoromethane	7.59	113	232664	49.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.54%	
50) Toluene-d8	10.09	98	870560	49.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.50%	
62) 4-Bromofluorobenzene	12.40	95	297832	53.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	294590	51.767	ug/l	98
3) Chloromethane	2.06	50	334673	47.995	ug/l	98
4) Vinyl Chloride	2.19	62	272647	48.796	ug/l	99
5) Bromomethane	2.56	94	140296	43.297	ug/l	96
6) Chloroethane	2.70	64	139329	47.311	ug/l	99
7) Trichlorofluoromethane	3.02	101	375615	49.399	ug/l	96
8) Diethyl Ether	3.41	74	130627	48.131	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	232116	48.920	ug/l	99
10) Methyl Iodide	3.95	142	336624	50.592	ug/l	100
11) Tert butyl alcohol	4.78	59	76653	219.477	ug/l	99
12) 1,1-Dichloroethene	3.74	96	220017	48.385	ug/l	99
13) Acrolein	3.61	56	110949	213.367	ug/l	98
14) Allyl chloride	4.32	41	414653	46.127	ug/l	95
15) Acrylonitrile	4.99	53	455551	237.836	ug/l	99
16) Acetone	3.82	43	464824	235.041	ug/l	96
17) Carbon Disulfide	4.05	76	619554	48.736	ug/l	100
18) Methyl Acetate	4.32	43	209323	49.240	ug/l	96
19) Methyl tert-butyl Ether	5.04	73	596566	47.452	ug/l	98
20) Methylene Chloride	4.55	84	254262	44.722	ug/l	100
21) trans-1,2-Dichloroethene	5.04	96	231936	48.641	ug/l	97
22) Diisopropyl ether	5.95	45	877765	48.987	ug/l	99
23) Vinyl Acetate	5.89	43	3046213	252.985	ug/l	99
24) 1,1-Dichloroethane	5.85	63	460974	47.829	ug/l	99
25) 2-Butanone	6.83	43	584087	228.768	ug/l	99
26) 2,2-Dichloropropane	6.82	77	327642	50.235	ug/l	99
27) cis-1,2-Dichloroethene	6.82	96	261823	47.633	ug/l	99
28) Bromochloromethane	7.19	49	233852	47.599	ug/l	99
29) Tetrahydrofuran	7.21	42	366303	233.342	ug/l	99
30) Chloroform	7.37	83	436058	47.564	ug/l	100
31) Cyclohexane	7.65	56	440733	48.813	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	362614	49.232	ug/l	100
36) 1,1-Dichloropropene	7.79	75	339883	52.679	ug/l	100
37) Ethyl Acetate	6.92	43	241824	46.442	ug/l	100
38) Carbon Tetrachloride	7.77	117	312145	51.663	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	376674	48.937	ug/l	99
40) Benzene	8.04	78	990057	49.709	ug/l	98
41) Methacrylonitrile	7.17	41	145777	53.401	ug/l	98
42) 1,2-Dichloroethane	8.12	62	336956	48.494	ug/l	100
43) Isopropyl Acetate	8.16	43	430657	51.075	ug/l #	87
44) Trichloroethene	8.83	130	250477	49.757	ug/l	99
45) 1,2-Dichloropropane	9.12	63	274903	48.897	ug/l	99
46) Dibromomethane	9.21	93	154361	47.962	ug/l	98
47) Bromodichloromethane	9.40	83	335175	52.023	ug/l	98
48) Methyl methacrylate	9.20	41	195655	47.837	ug/l	98
49) 1,4-Dioxane	9.20	88	43171	913.992	ug/l	100
51) 4-Methyl-2-Pentanone	9.98	43	1158772	238.826	ug/l	100
52) Toluene	10.15	92	590742	50.595	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	324889	54.948	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	391186	53.314	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	209352	48.634	ug/l	99
56) Ethyl methacrylate	10.43	69	276176	51.502	ug/l	99
57) 1,3-Dichloropropane	10.71	76	369185	49.295	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	379876	186.832	ug/l	100
59) 2-Hexanone	10.75	43	759497	247.820	ug/l	100
60) Dibromochloromethane	10.90	129	231306	52.169	ug/l	100
61) 1,2-Dibromoethane	11.00	107	201542	49.798	ug/l	98
64) Tetrachloroethene	10.63	164	243405	49.561	ug/l	99
65) Chlorobenzene	11.43	112	597407	48.617	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	226288	49.687	ug/l	100
67) Ethyl Benzene	11.51	91	1105383	50.500	ug/l	99
68) m/p-Xylenes	11.62	106	815041	103.819	ug/l	99
69) o-Xylene	11.95	106	392675	50.401	ug/l	100
70) Styrene	11.96	104	662639	54.870	ug/l	100
71) Bromoform	12.12	173	143927	52.958	ug/l #	99
73) Isopropylbenzene	12.25	105	1052007	51.710	ug/l	100
74) N-amyl acetate	12.07	43	322638	49.351	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	249785	48.362	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	231265m	44.956	ug/l	
77) Bromobenzene	12.53	156	254420	45.449	ug/l	99
78) n-propylbenzene	12.59	91	1190058	46.798	ug/l	99
79) 2-Chlorotoluene	12.67	91	723855	45.078	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	884276	46.584	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	63710	46.948	ug/l	96
82) 4-Chlorotoluene	12.77	91	708557	47.960	ug/l	99
83) tert-Butylbenzene	12.99	119	742005	52.115	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	860910	48.060	ug/l	99
85) sec-Butylbenzene	13.17	105	965875	44.977	ug/l	100
86) p-Isopropyltoluene	13.29	119	853346	48.232	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	425255	49.486	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	411324	49.163	ug/l	98
89) n-Butylbenzene	13.61	91	700585	53.423	ug/l	99
90) Hexachloroethane	13.87	117	144740	46.128	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	406702	46.078	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	35191	45.703	ug/l	95

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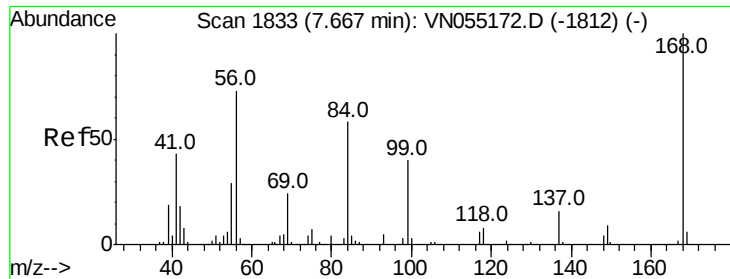
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	167418	45.176	ug/l	98
94) Hexachlorobutadiene	15.01	225	141491	55.315	ug/l	97
95) Naphthalene	15.13	128	332106	41.369	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	165394	44.887	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN055234.D

Acq: 25 Apr 2019 9:25

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:168 Resp: 441977

Ion Ratio Lower Upper

168 100

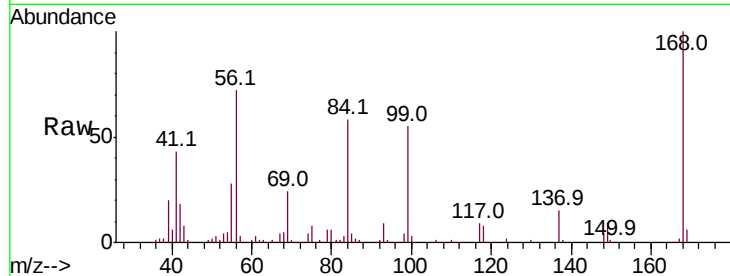
99 53.5 42.0 63.0

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

200000

150000

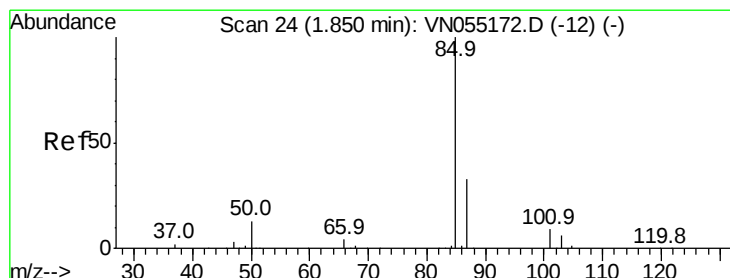
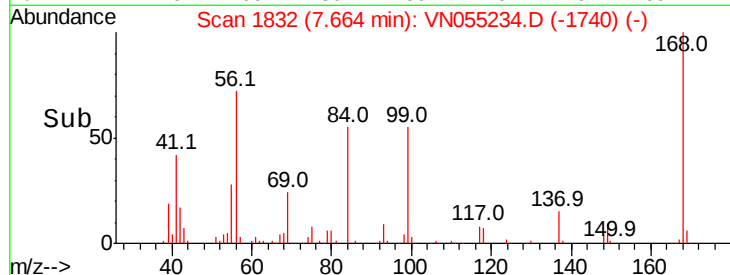
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50000

0

Time-->

7.55 7.60 7.65 7.70 7.75



#2

Dichlorodifluoromethane

Concen: 51.767 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN055234.D

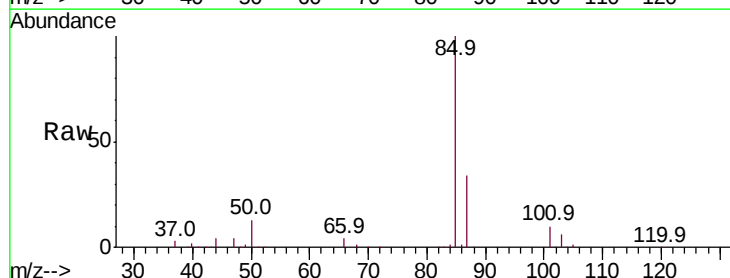
Acq: 25 Apr 2019 9:25

Tgt Ion: 85 Resp: 294590

Ion Ratio Lower Upper

85 100

87 33.8 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

250000

200000

150000

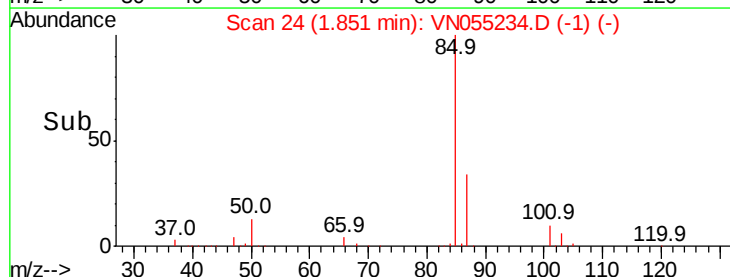
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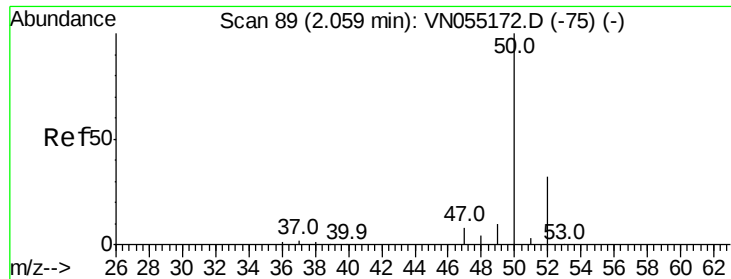
50000

0

Time-->

1.80 1.85 1.90 1.95





#3

Chloromethane

Concen: 47.995 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055234.D

Acq: 25 Apr 2019 9:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 334673

Ion Ratio Lower Upper

50 100

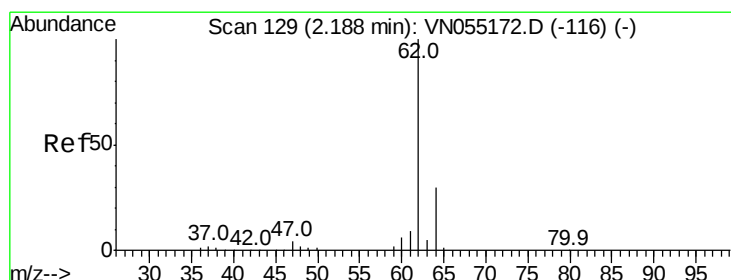
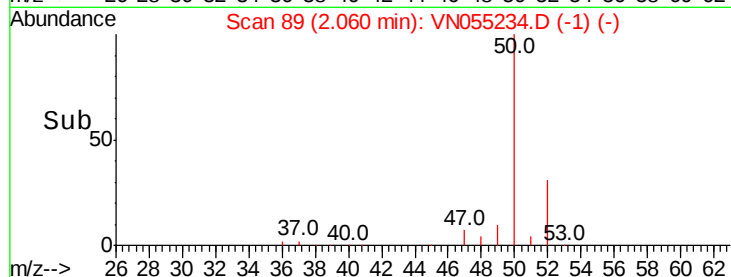
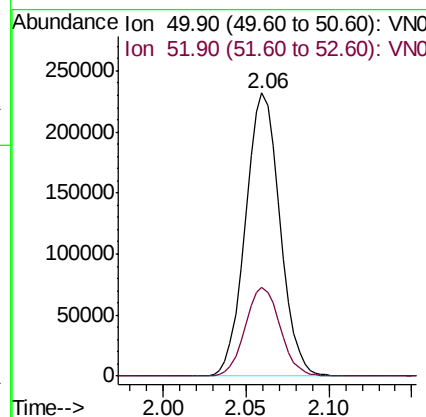
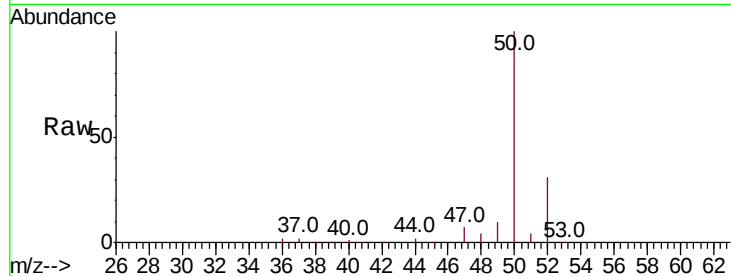
52 31.2 25.8 38.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 48.796 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055234.D

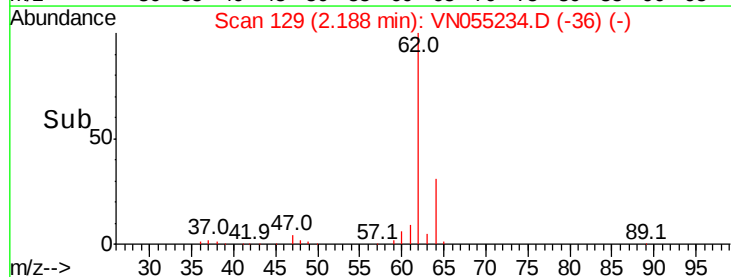
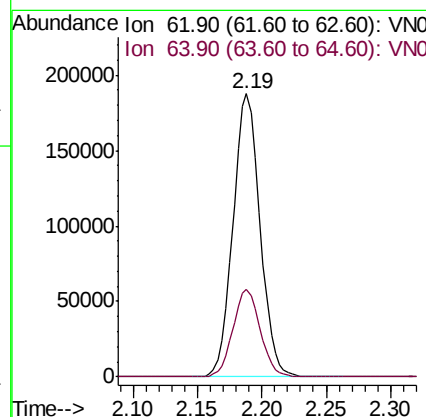
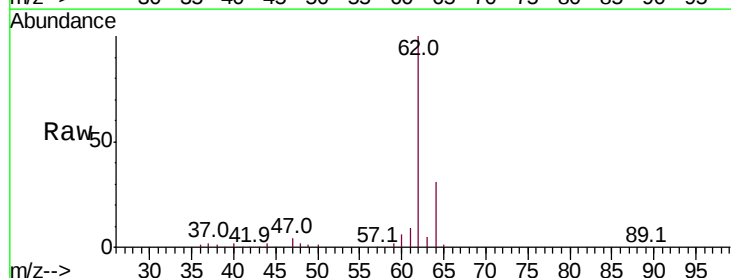
Acq: 25 Apr 2019 9:25

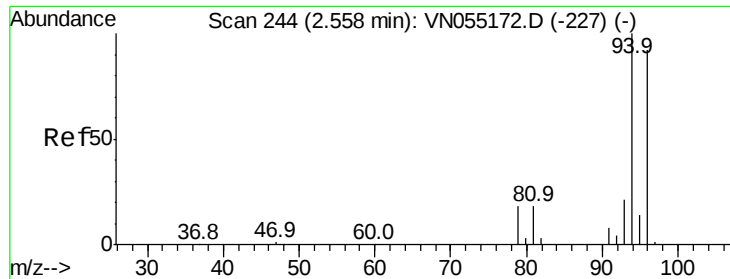
Tgt Ion: 62 Resp: 272647

Ion Ratio Lower Upper

62 100

64 30.9 24.2 36.4





#5

Bromomethane

Concen: 43.297 ug/l

RT: 2.56 min Scan# 244

Delta R.T. 0.00 min

Lab File: VN055234.D

Acq: 25 Apr 2019 9:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 140296

Ion Ratio Lower Upper

94 100

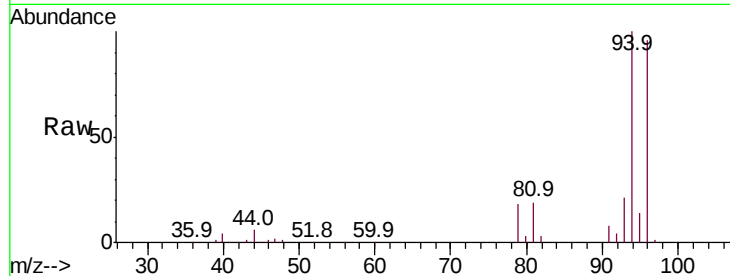
96 95.6 73.4 110.2

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

80000

60000

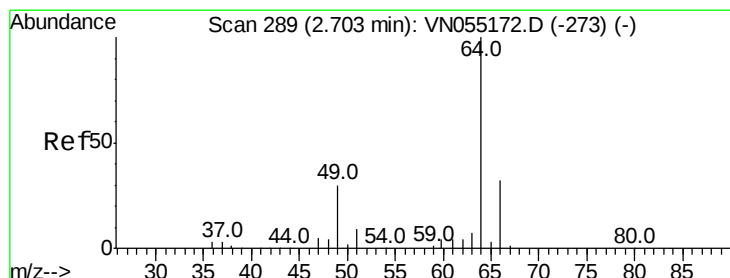
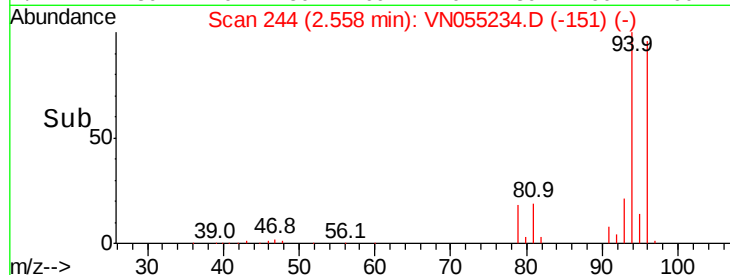
40000

20000

0

2.45 2.50 2.55 2.60 2.65

Time-->



#6

Chloroethane

Concen: 47.311 ug/l

RT: 2.70 min Scan# 288

Delta R.T. -0.00 min

Lab File: VN055234.D

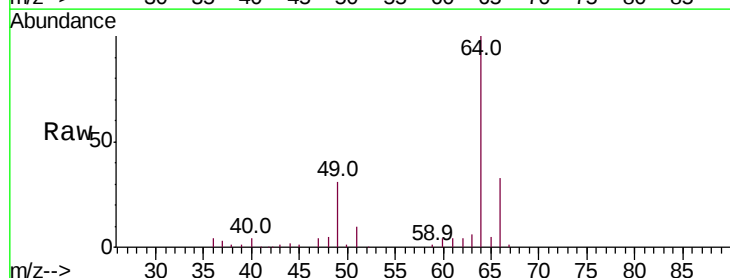
Acq: 25 Apr 2019 9:25

Tgt Ion: 64 Resp: 139329

Ion Ratio Lower Upper

64 100

66 32.9 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

80000

60000

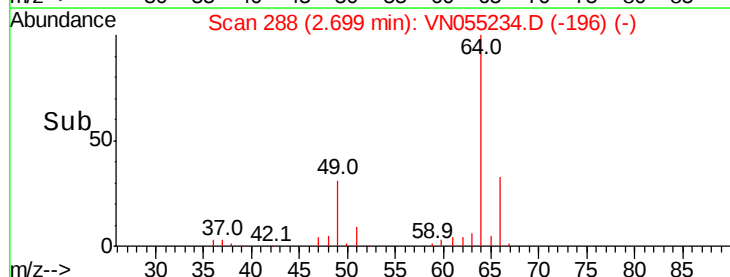
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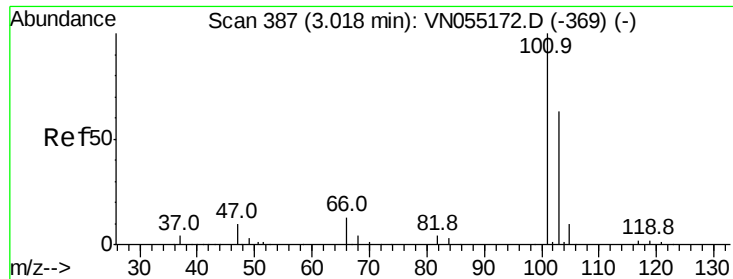
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0

2.60 2.70 2.80

Time-->





#7

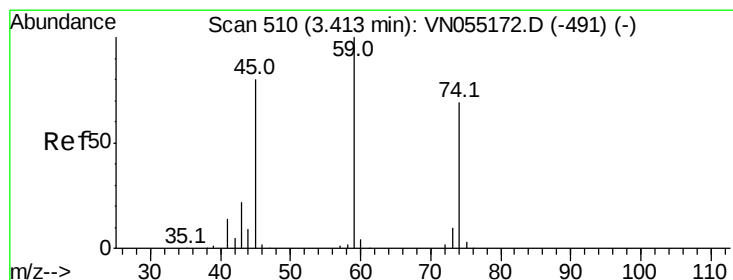
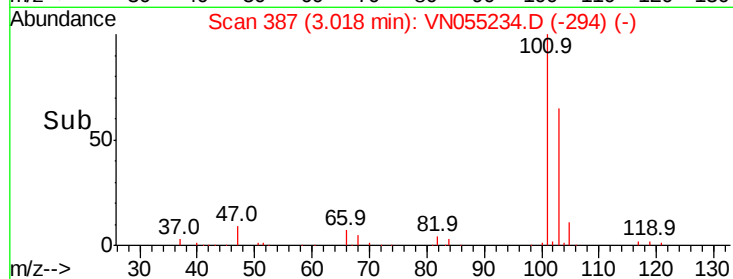
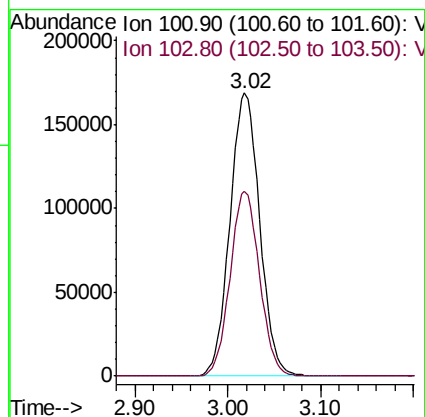
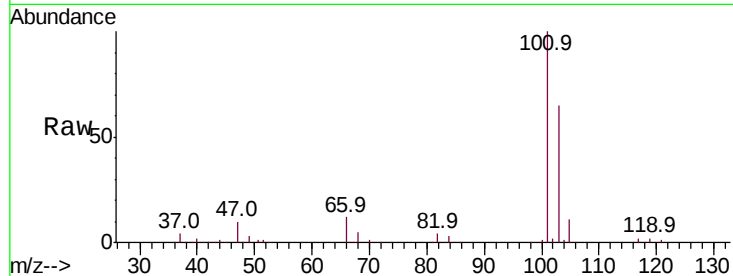
Trichlorofluoromethane
Concen: 49.399 ug/l
RT: 3.02 min Scan# 387
Delta R.T. 0.00 min
Lab File: VN055234.D
Acq: 25 Apr 2019 9:25

Instrument :
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ClientSampleId :
VSTDCCC050

Tot Ion:101 Resp: 375615
Ion Ratio Lower Upper
101 100
103 65.5 50.1 75.1

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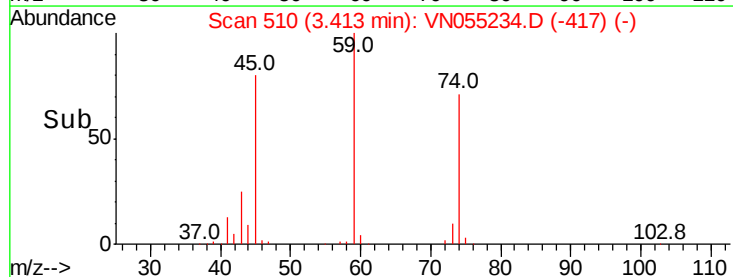
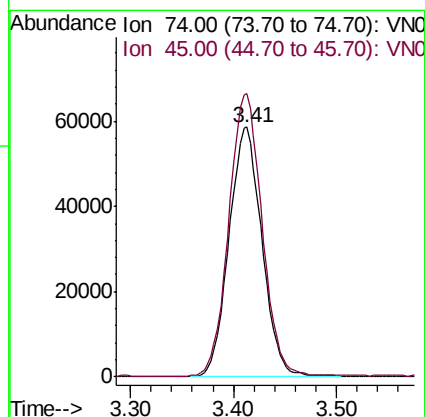
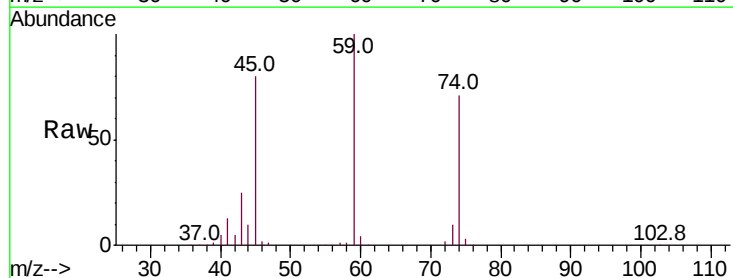
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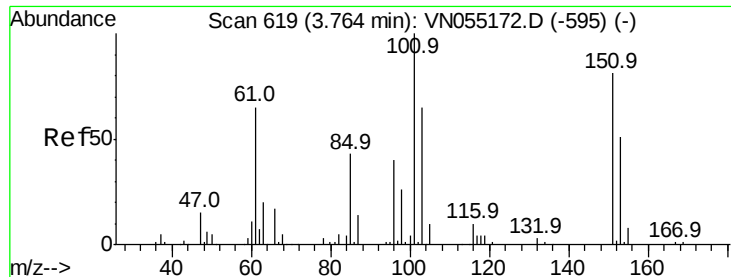


#8

Diethyl Ether
Concen: 48.131 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN055234.D
Acq: 25 Apr 2019 9:25

Tgt Ion: 74 Resp: 130627
Ion Ratio Lower Upper
74 100
45 114.8 56.9 170.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.920 ug/l

RT: 3.76 min Scan# 618

Delta R.T. -0.00 min

Lab File: VN055234.D

Acq: 25 Apr 2019 9:25

Instrument :

MSVOA_N

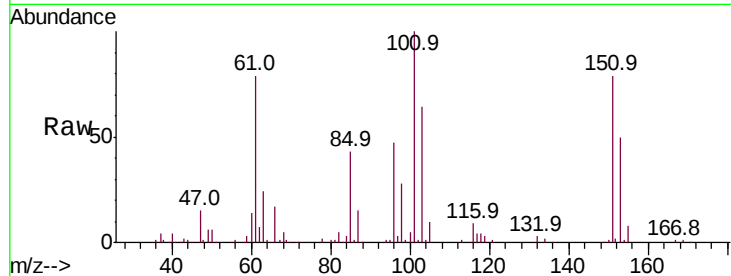
ClientSampleId :

VSTDCCC050

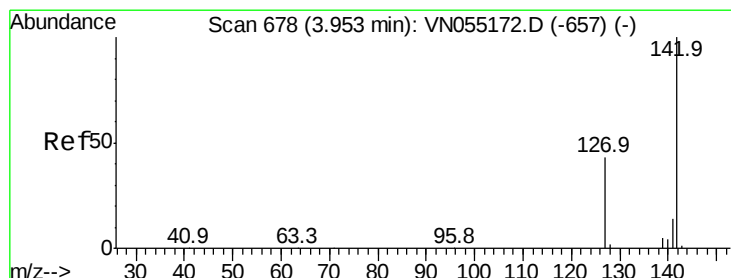
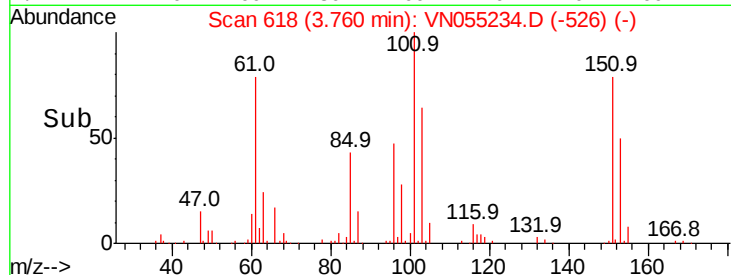
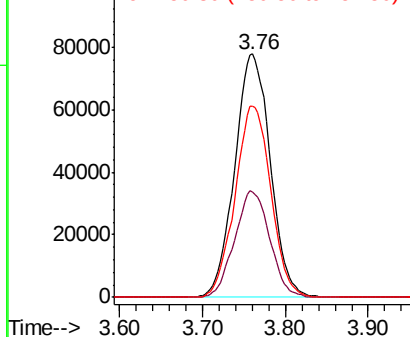
Tot Ion:	101	Resp:	232116
Ion Ratio	Lower	Upper	
101	100		
85	43.1	34.9	52.3
151	78.9	63.8	95.8

Manual Integrations
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4/26/2019 10:58:48 AM



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: 50.592 ug/l

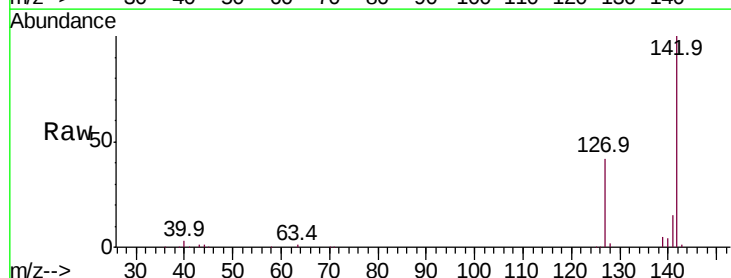
RT: 3.95 min Scan# 678

Delta R.T. 0.00 min

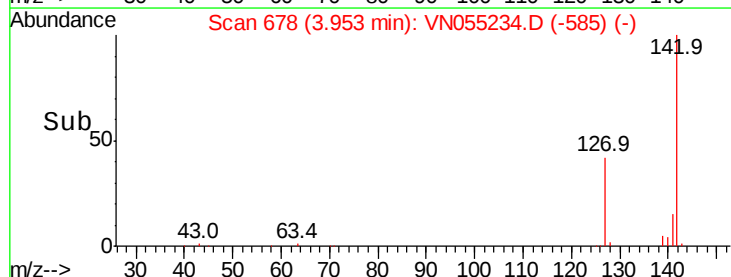
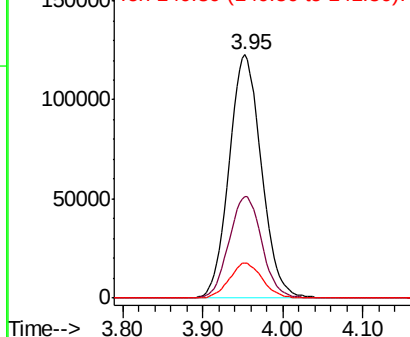
Lab File: VN055234.D

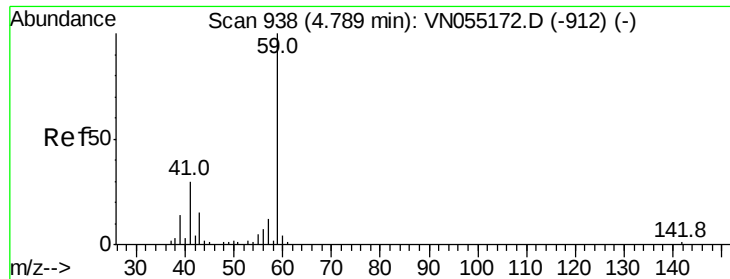
Acq: 25 Apr 2019 9:25

Tgt Ion:	142	Resp:	336624
Ion Ratio	Lower	Upper	
142	100		
127	42.4	34.1	51.1
141	14.6	11.4	17.2



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





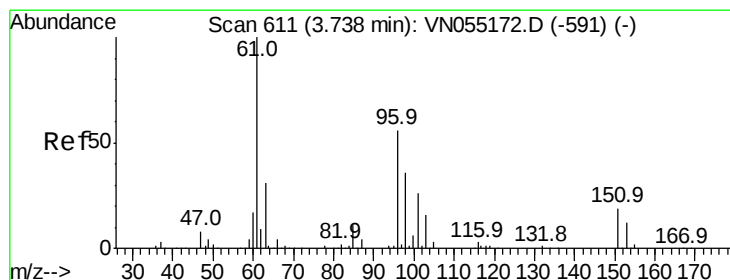
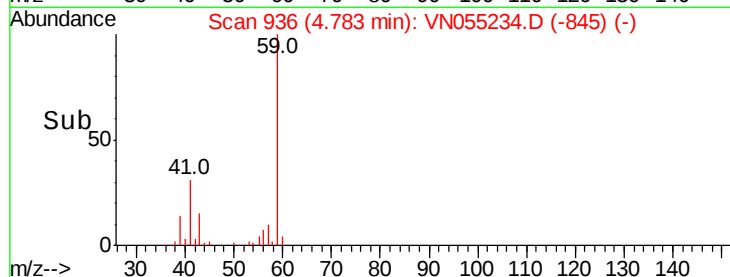
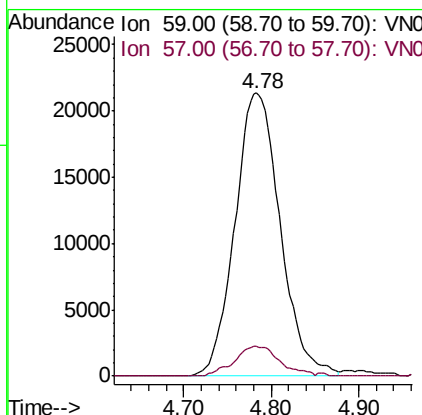
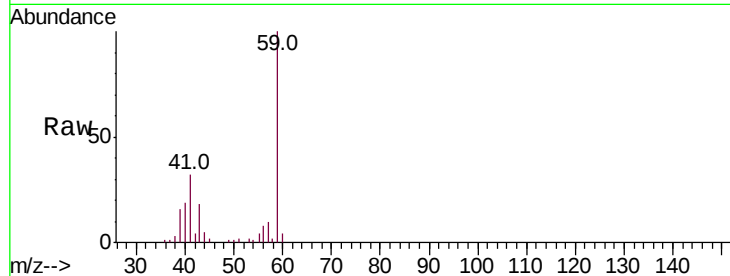
#11
Tert butyl alcohol
Concen: 219.477 ug/l
RT: 4.78 min Scan# 936
Delta R.T. -0.01 min
Lab File: VN055234.D
Acq: 25 Apr 2019 9:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.8	13.2

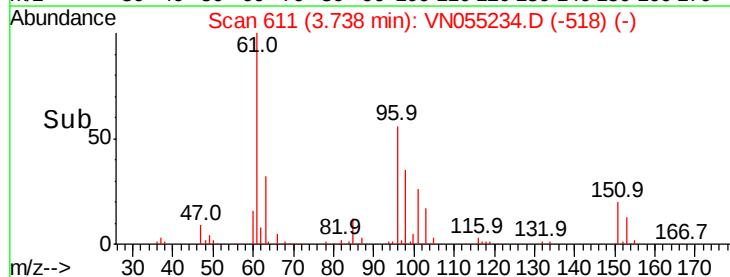
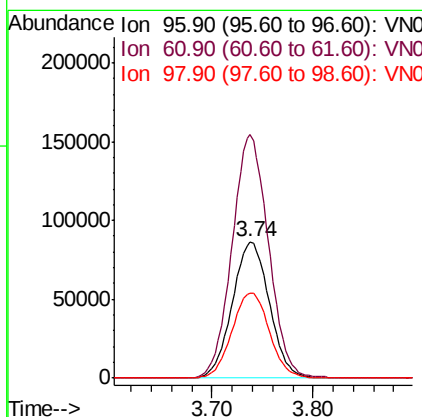
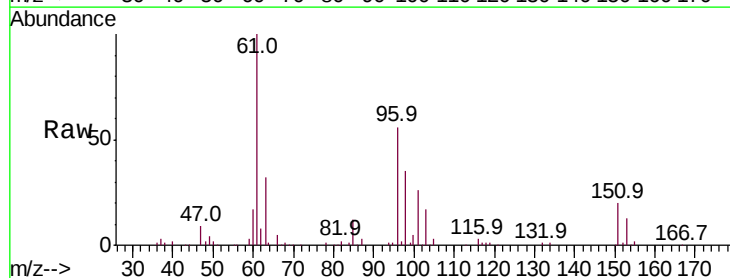
Manual Integrations
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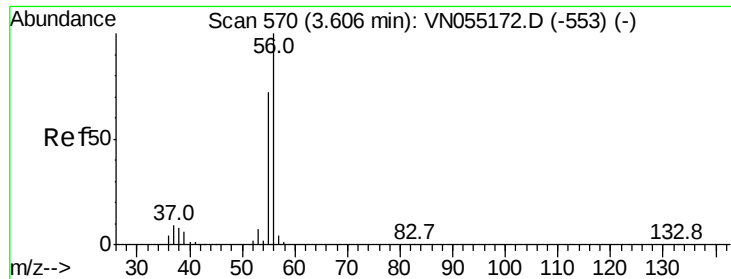
MMDadoda
4/26/2019 10:58:48 AM



#12
1,1-Dichloroethene
Concen: 48.385 ug/l
RT: 3.74 min Scan# 611
Delta R.T. 0.00 min
Lab File: VN055234.D
Acq: 25 Apr 2019 9:25

Tgt Ion	Ratio	Lower	Upper
96	100		
61	177.8	142.1	213.1
98	62.1	51.2	76.8





#13

Acrolein

Concen: 213.367 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN055234.D

Acq: 25 Apr 2019 9:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 110949

Ion Ratio Lower Upper

56 100

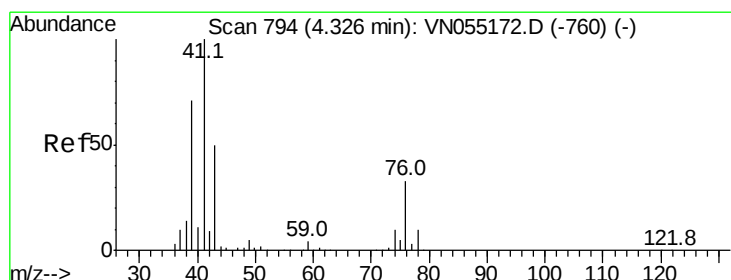
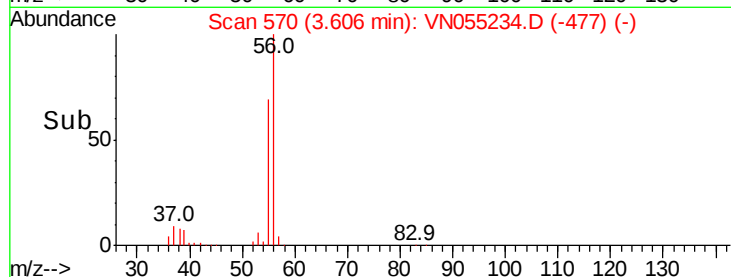
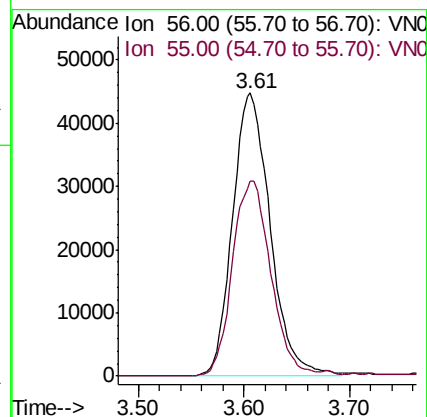
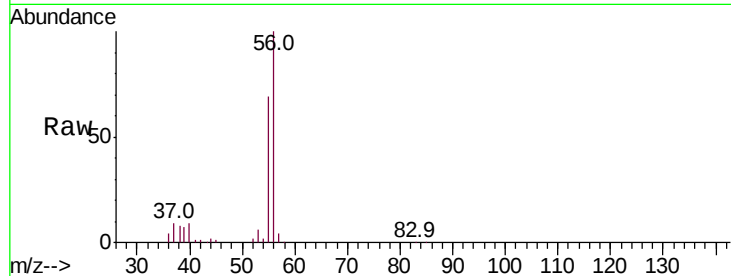
55 70.3 57.4 86.0

Manual Integrations

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#14

Allyl chloride

Concen: 46.127 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN055234.D

Acq: 25 Apr 2019 9:25

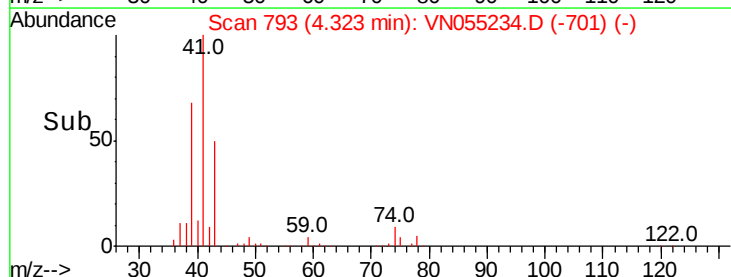
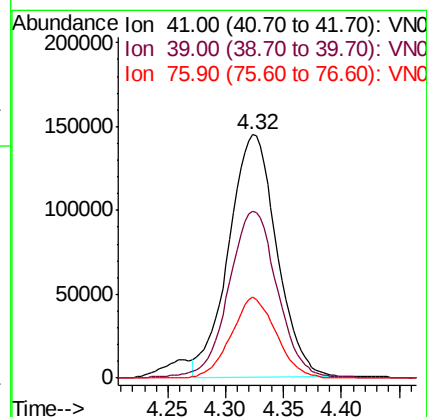
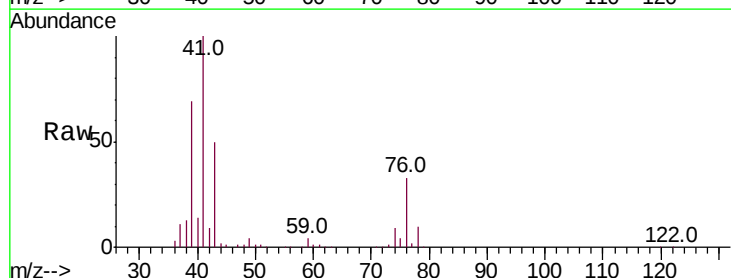
Tgt Ion: 41 Resp: 414653

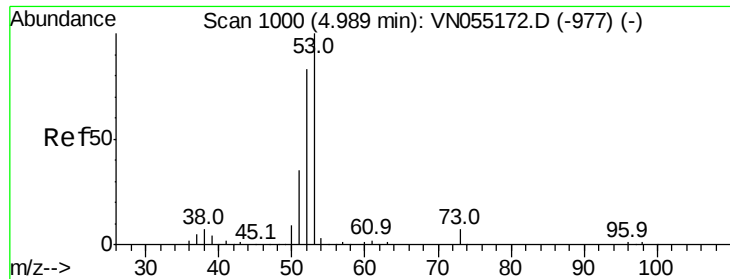
Ion Ratio Lower Upper

41 100

39 70.1 52.9 79.3

76 31.5 23.6 35.4





#15

Acrylonitrile

Concen: 237.836 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN055234.D

Acq: 25 Apr 2019 9:25

Instrument :

MSVOA_N

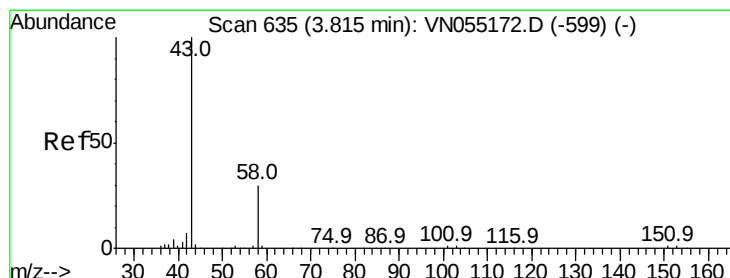
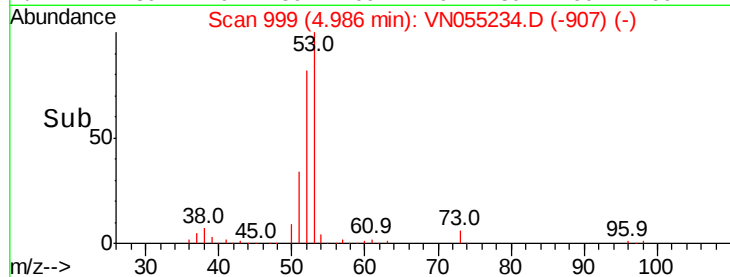
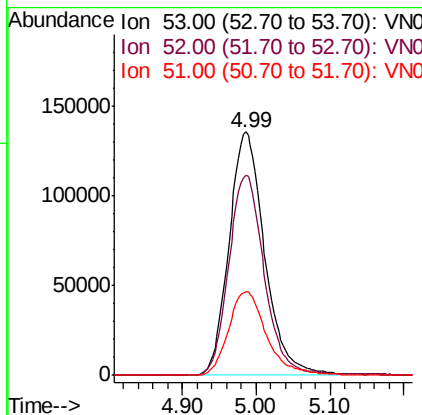
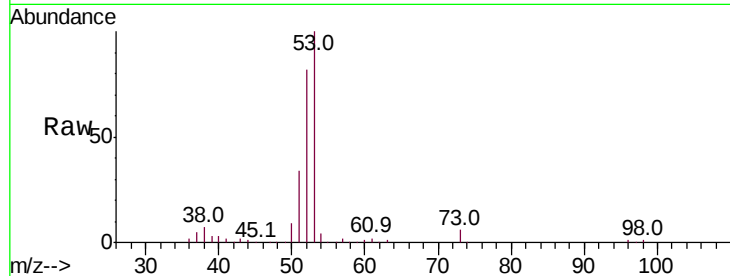
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	455551
Ion Ratio	Lower	Upper	
53	100		
52	81.9	65.8	98.8
51	36.9	28.9	43.3

Manual Integrations
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#16

Acetone

Concen: 235.041 ug/l

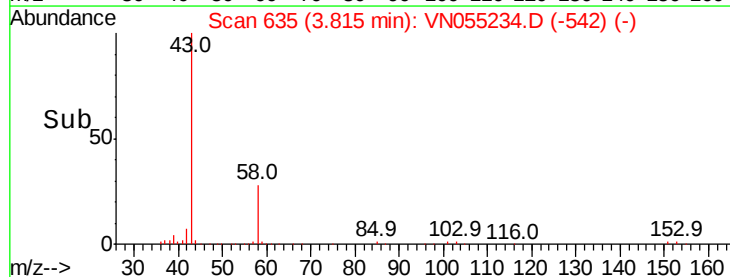
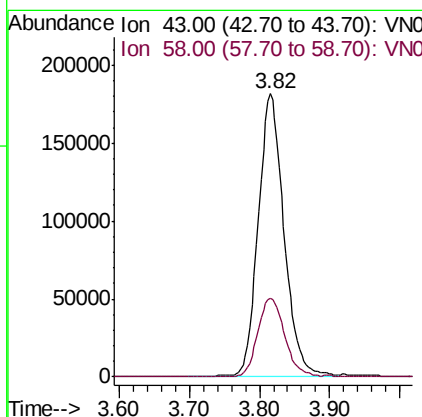
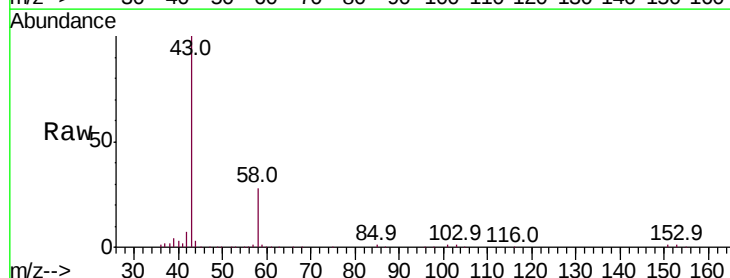
RT: 3.82 min Scan# 635

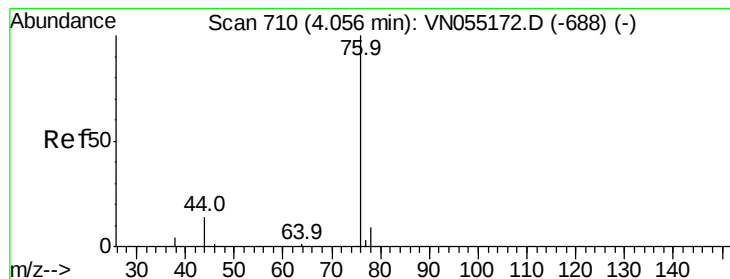
Delta R.T. 0.00 min

Lab File: VN055234.D

Acq: 25 Apr 2019 9:25

Tgt Ion:	43	Resp:	464824
Ion Ratio	Lower	Upper	
43	100		
58	27.9	23.8	35.8





#17

Carbon Disulfide

Concen: 48.736 ug/l

RT: 4.05 min Scan# 709

Delta R.T. -0.00 min

Lab File: VN055234.D

Acq: 25 Apr 2019 9:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 619554

Ion Ratio Lower Upper

76 100

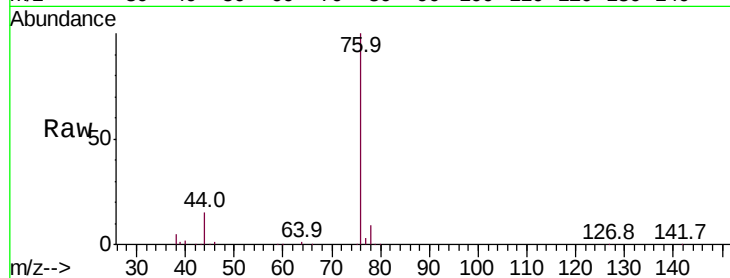
78 9.0 7.3 10.9

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Abundance Ion 75.90 (75.60 to 76.60): VN055172.D (-688) (-)

Ion 77.90 (77.60 to 78.60): VN055172.D (-688) (-)

250000

200000

150000

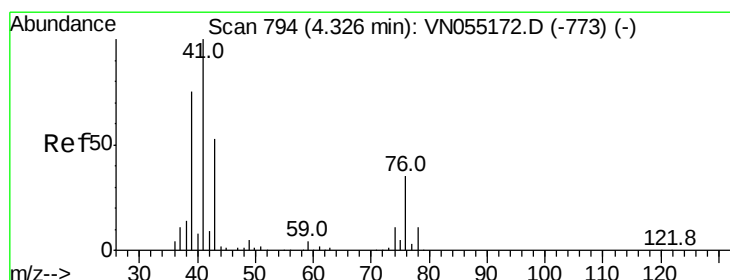
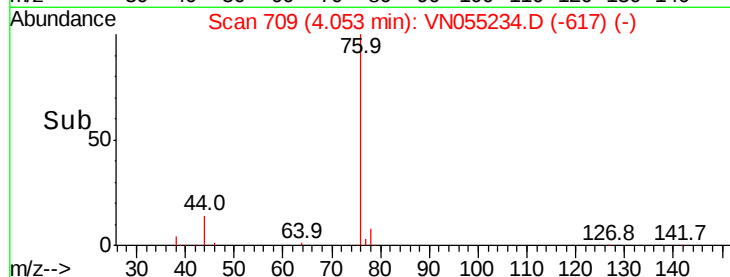
100000

50000

0

4.00 4.10

Time-->



#18

Methyl Acetate

Concen: 49.240 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN055234.D

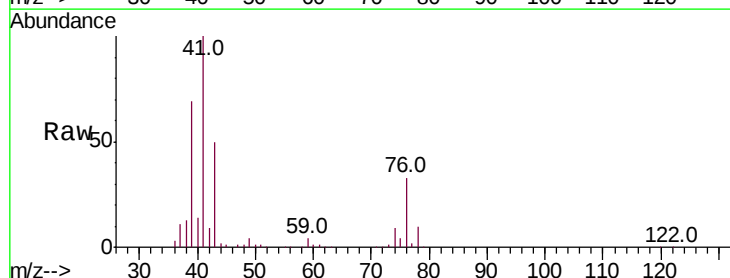
Acq: 25 Apr 2019 9:25

Tgt Ion: 43 Resp: 209323

Ion Ratio Lower Upper

43 100

74 19.2 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): VN055172.D (-773) (-)

Ion 74.00 (73.70 to 74.70): VN055172.D (-773) (-)

80000

60000

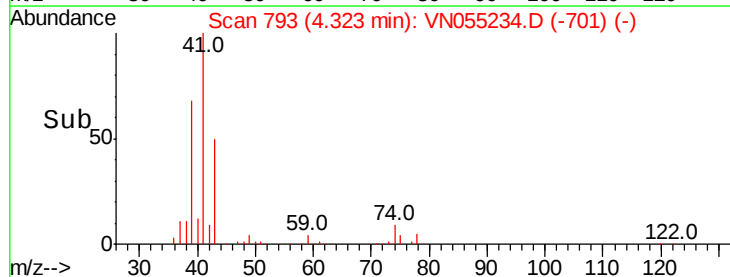
40000

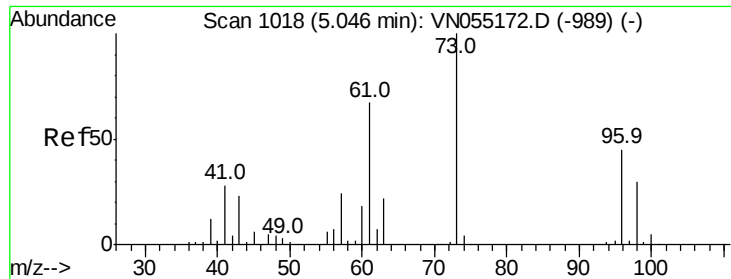
20000

0

4.20 4.30 4.40 4.50

Time-->





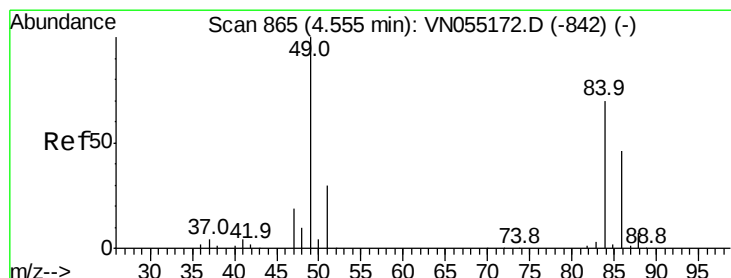
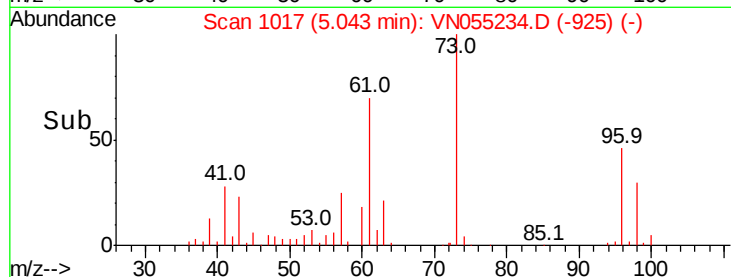
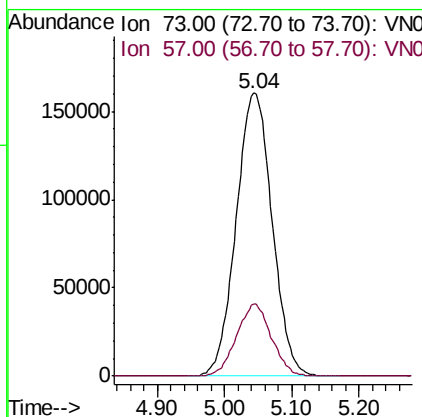
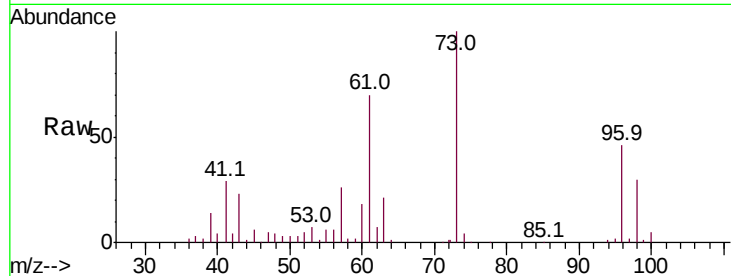
#19
Methvl tert-butvl Ether
Concen: 47.452 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN055234.D
Acq: 25 Apr 2019 9:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 596566
Ion Ratio Lower Upper
73 100
57 25.6 19.5 29.3

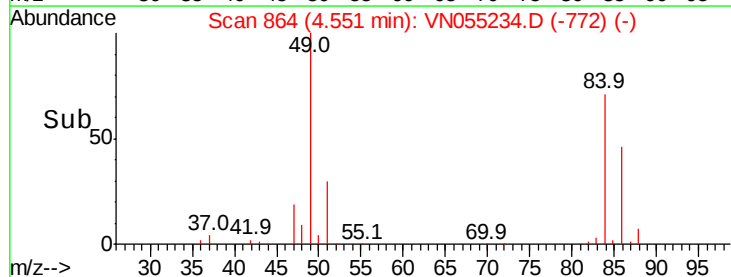
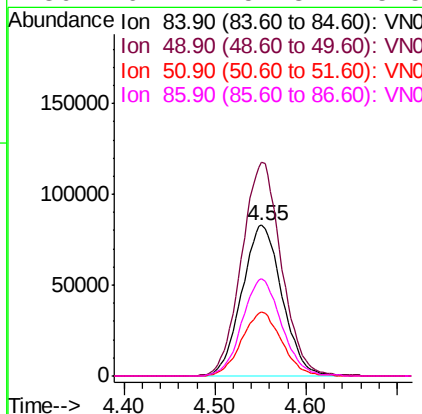
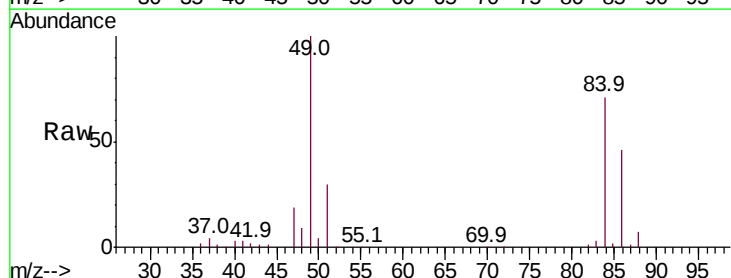
Manual Integrations
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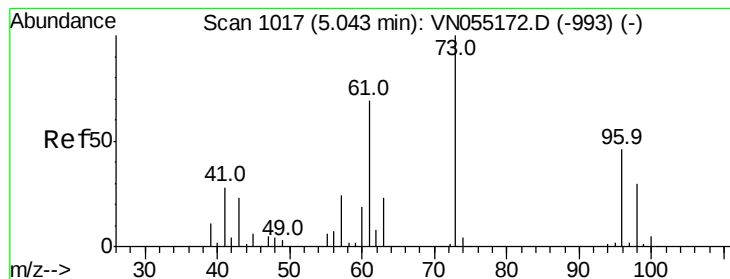
MMdadoda
4/26/2019 10:58:48 AM



#20
Methylene Chloride
Concen: 44.722 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN055234.D
Acq: 25 Apr 2019 9:25

Tgt Ion: 84 Resp: 254262
Ion Ratio Lower Upper
84 100
49 141.8 113.8 170.6
51 42.3 34.0 51.0
86 64.7 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 48.641 ug/l

RT: 5.04 min Scan# 1016

Delta R.T. -0.00 min

Lab File: VN055234.D

Acq: 25 Apr 2019 9:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 231936

Ion Ratio Lower Upper

96 100

61 151.7 119.3 178.9

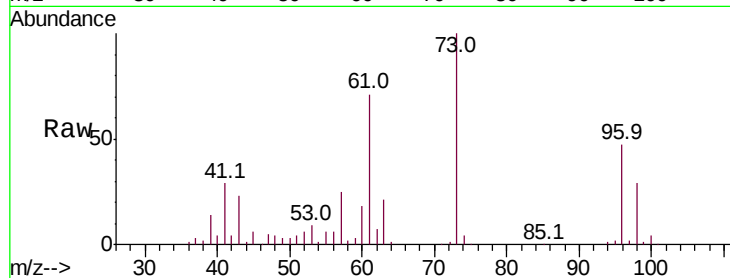
98 62.7 53.0 79.4

Manual Integrations

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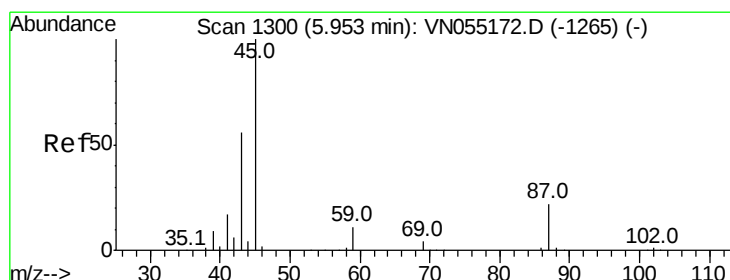
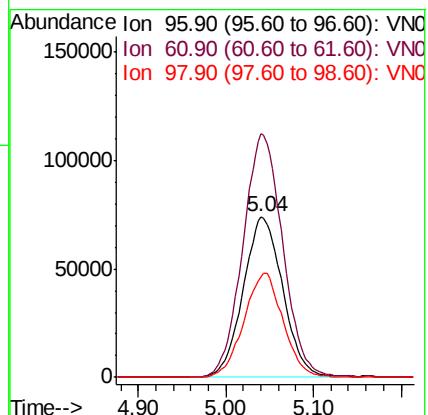
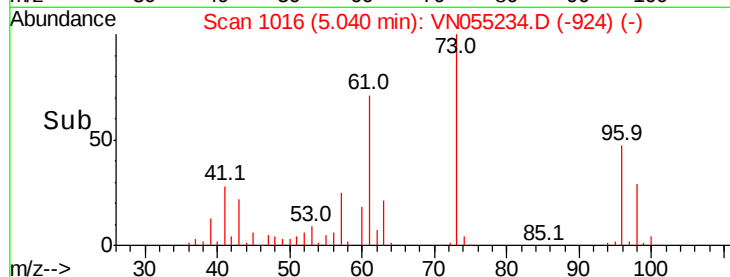
Abundance Ion 95.90 (95.60 to 96.60): VNO
150000 Ion 60.90 (60.60 to 61.60): VNO
Ion 97.90 (97.60 to 98.60): VNO

100000

50000

0

Time-->



#22

Diisopropyl ether

Concen: 48.987 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. -0.00 min

Lab File: VN055234.D

Acq: 25 Apr 2019 9:25

Tgt Ion: 45 Resp: 877765

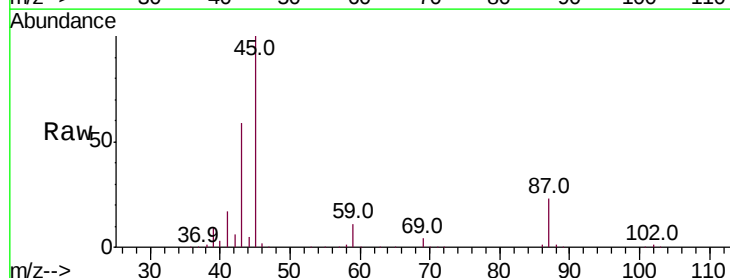
Ion Ratio Lower Upper

45 100

43 58.2 47.4 71.0

87 23.0 18.4 27.6

59 10.4 8.6 12.8



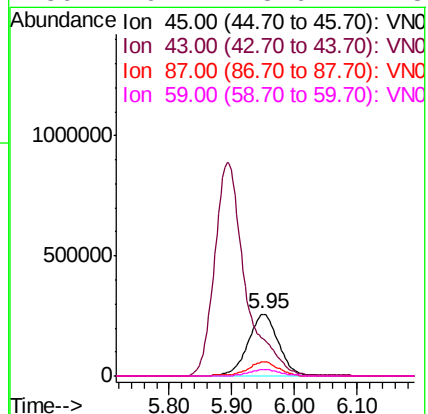
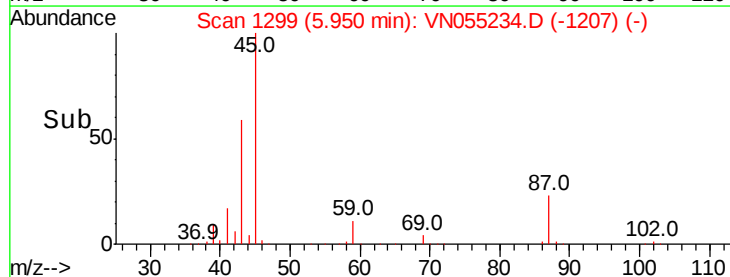
Abundance Ion 45.00 (44.70 to 45.70): VNO
Ion 43.00 (42.70 to 43.70): VNO
Ion 87.00 (86.70 to 87.70): VNO
Ion 59.00 (58.70 to 59.70): VNO

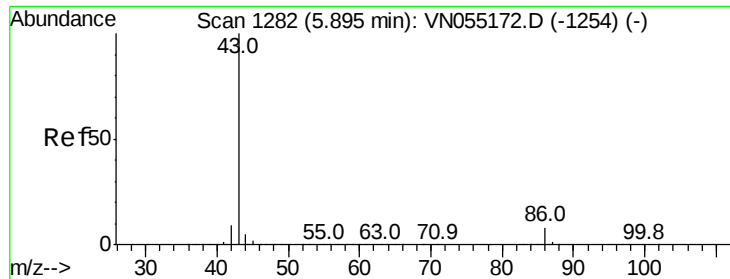
1000000

500000

0

Time-->





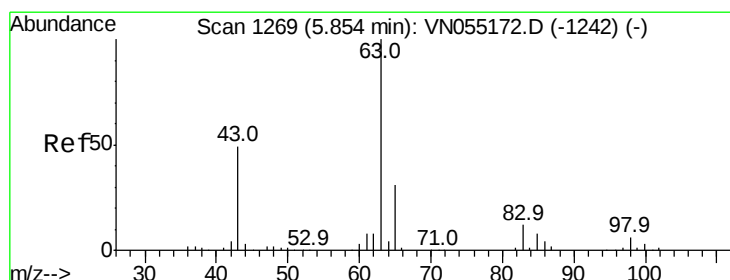
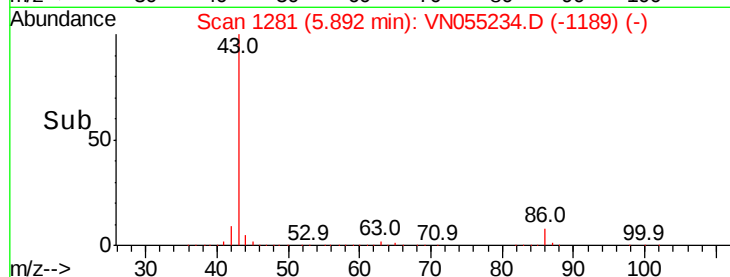
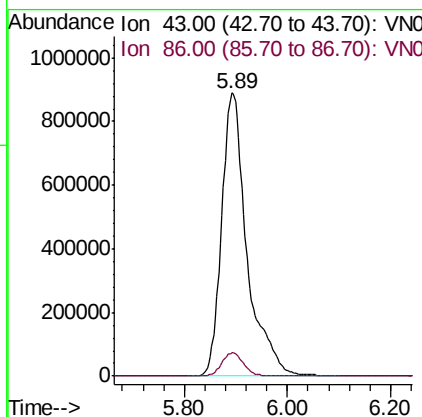
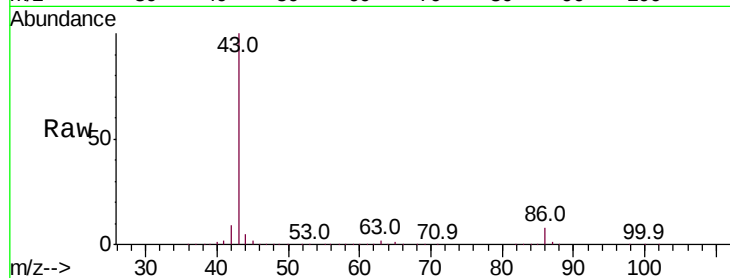
#23
 Vinyl Acetate
 Concen: 252.985 ug/l
 RT: 5.89 min Scan# 1281
 Delta R.T. -0.00 min
 Lab File: VN055234.D
 Acq: 25 Apr 2019 9:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 3046213
 Ion Ratio Lower Upper
 43 100
 86 8.2 6.8 10.2

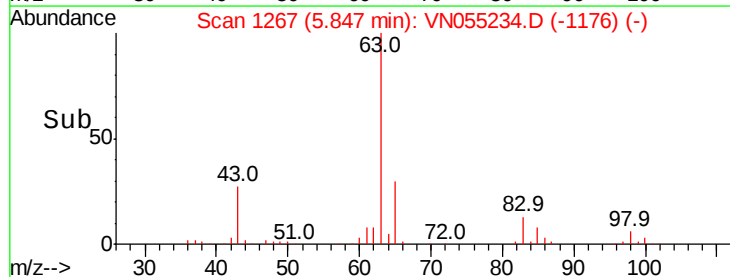
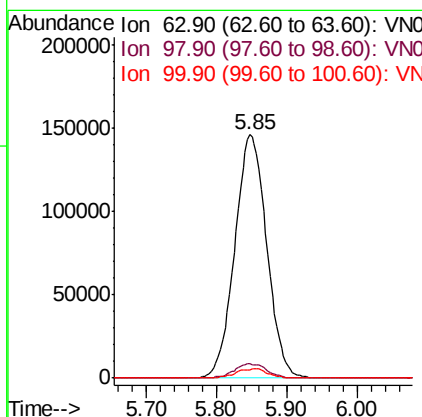
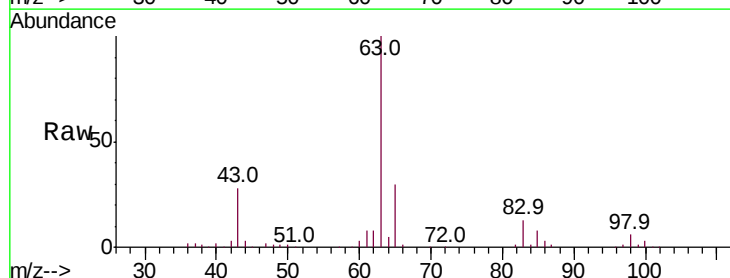
Manual Integrations
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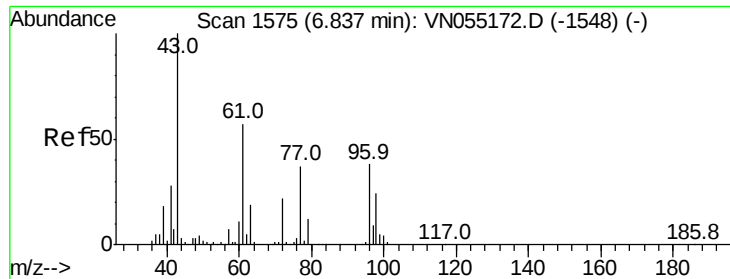
MMdadoda
 4/26/2019 10:58:48 AM



#24
 1,1-Dichloroethane
 Concen: 47.829 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. -0.01 min
 Lab File: VN055234.D
 Acq: 25 Apr 2019 9:25

Tgt Ion: 63 Resp: 460974
 Ion Ratio Lower Upper
 63 100
 98 5.9 3.1 9.3
 100 3.5 1.8 5.3





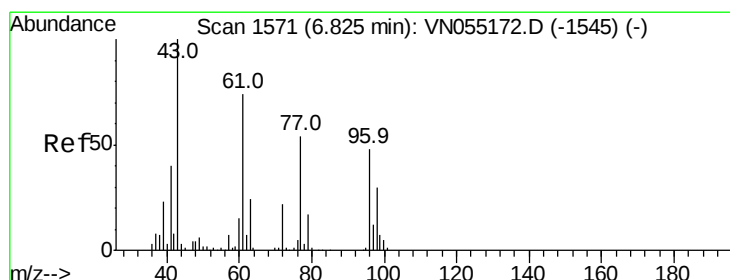
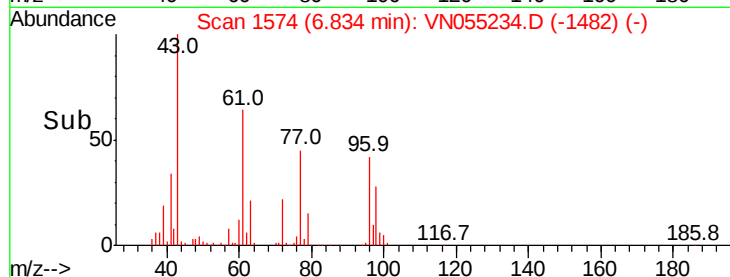
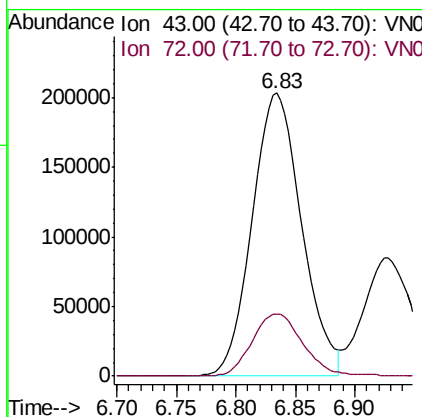
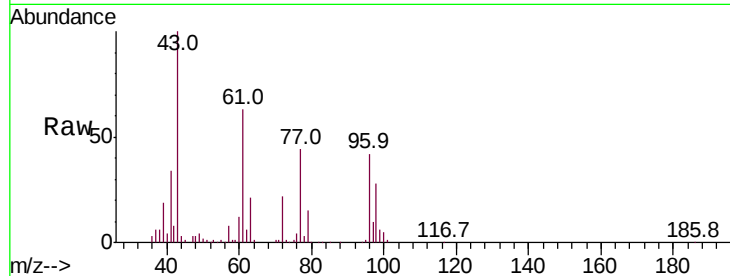
#25
2-Butanone
Concen: 228.768 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VN055234.D
Acq: 25 Apr 2019 9:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 584087
Ion Ratio Lower Upper
43 100
72 21.9 17.8 26.8

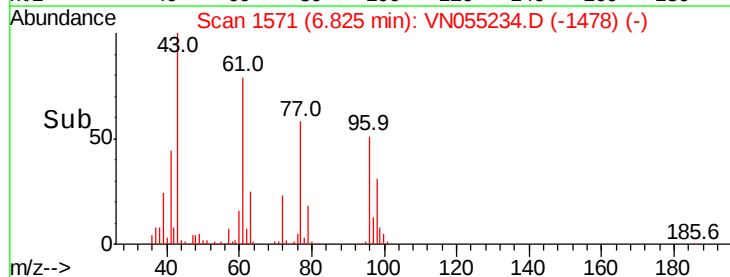
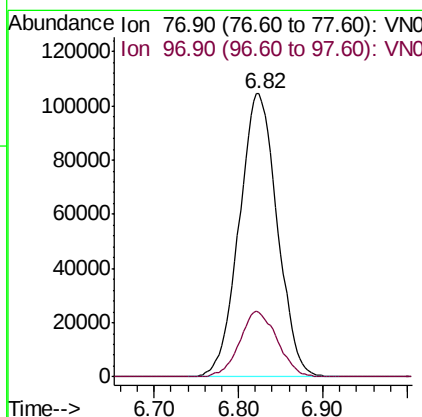
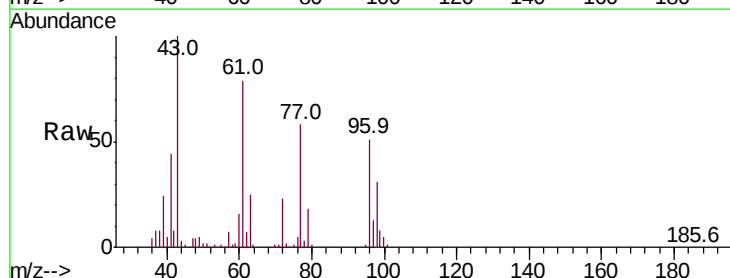
Manual Integrations
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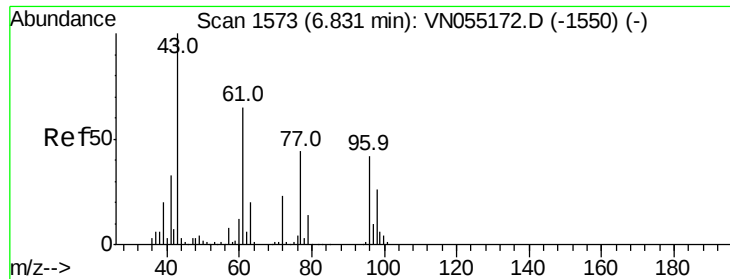
MMDadoda
4/26/2019 10:58:48 AM



#26
2,2-Dichloropropane
Concen: 50.235 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VN055234.D
Acq: 25 Apr 2019 9:25

Tgt Ion: 77 Resp: 327642
Ion Ratio Lower Upper
77 100
97 22.9 11.3 33.8





#27

cis-1,2-Dichloroethene

Concen: 47.633 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.01 min

Lab File: VN055234.D

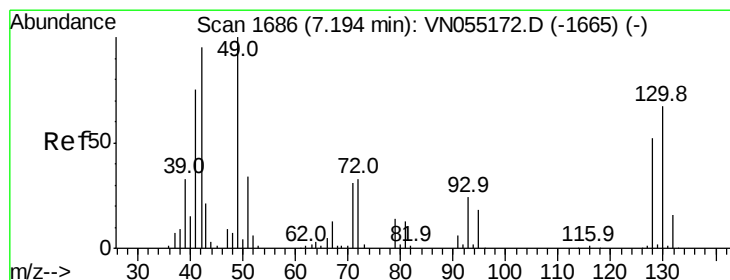
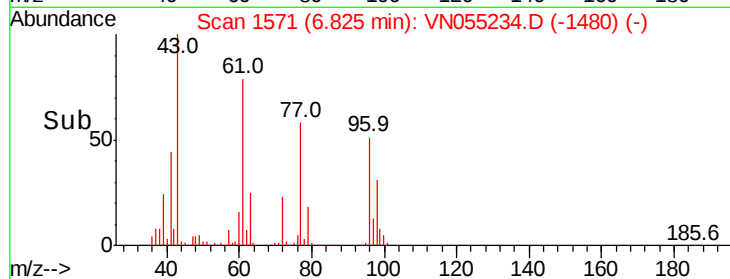
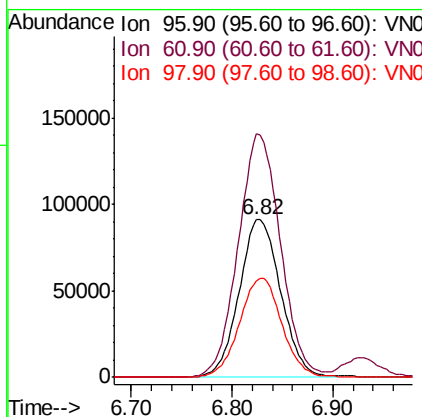
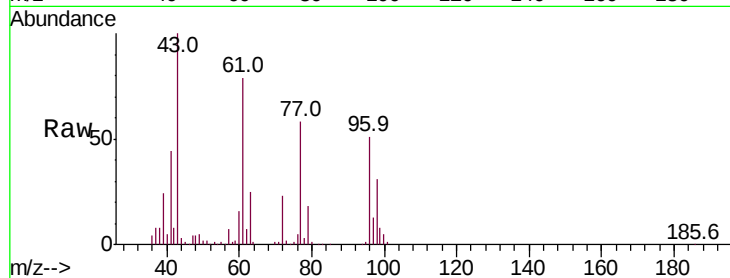
Acq: 25 Apr 2019 9:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	261823		
61	156.4	0.0	310.8	
98	64.3	0.0	127.4	

Manual Integrations
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MMdadoda
4/26/2019 10:58:48 AM



#28

Bromochloromethane

Concen: 47.599 ug/l

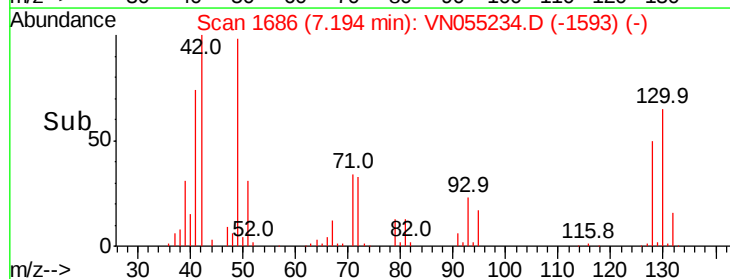
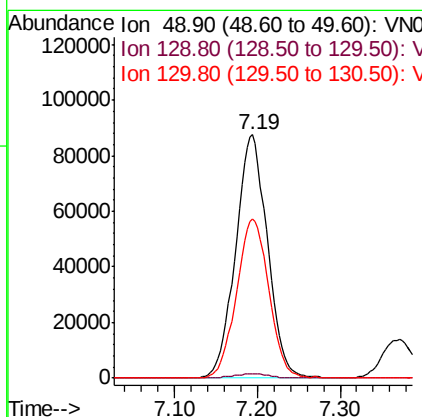
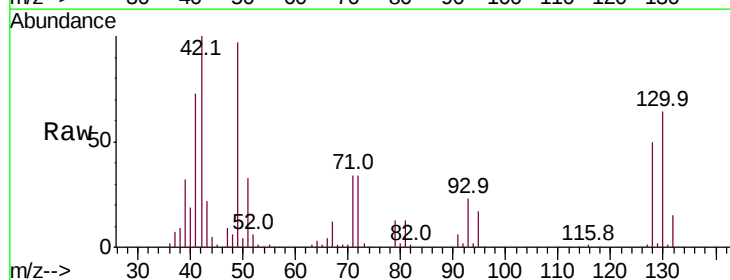
RT: 7.19 min Scan# 1686

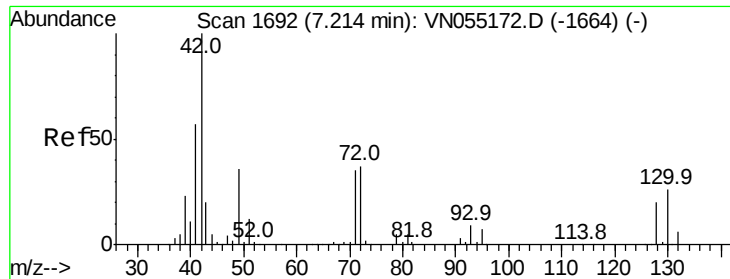
Delta R.T. 0.00 min

Lab File: VN055234.D

Acq: 25 Apr 2019 9:25

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	233852		
129	1.9	0.0	3.8	
130	66.0	53.4	80.2	





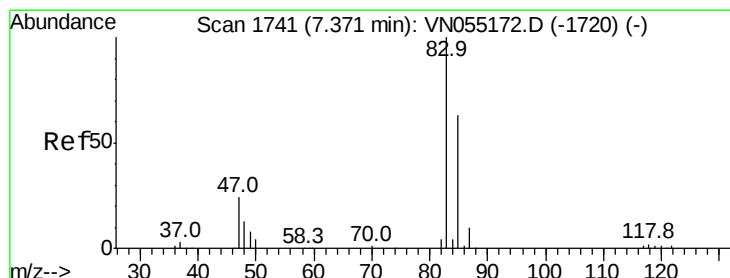
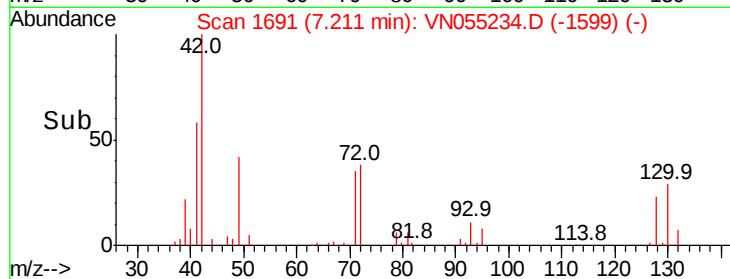
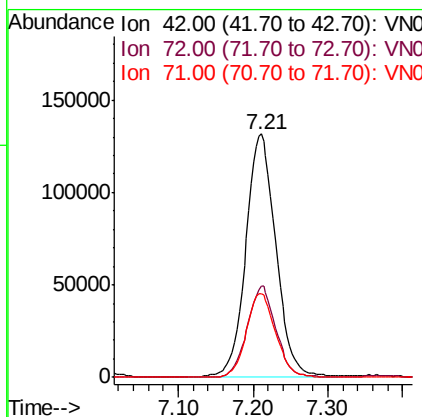
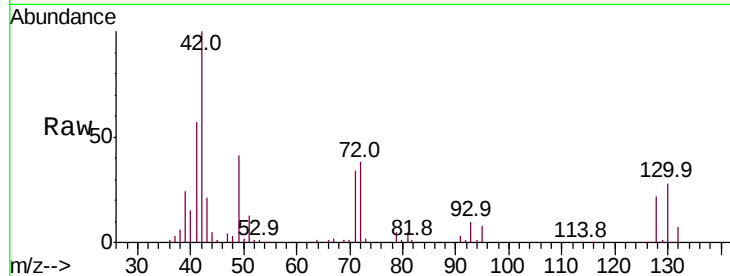
#29
Tetrahydrofuran
Concen: 233.342 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN055234.D
Acq: 25 Apr 2019 9:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.1	29.4	44.2
71	33.9	27.8	41.8

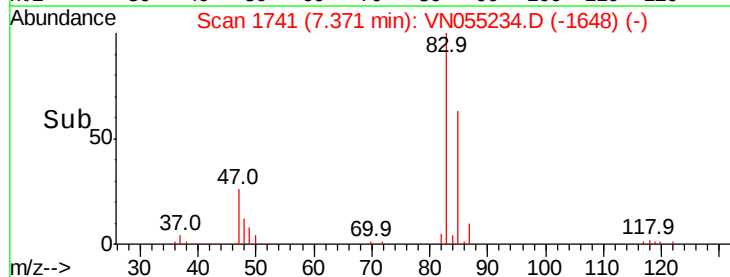
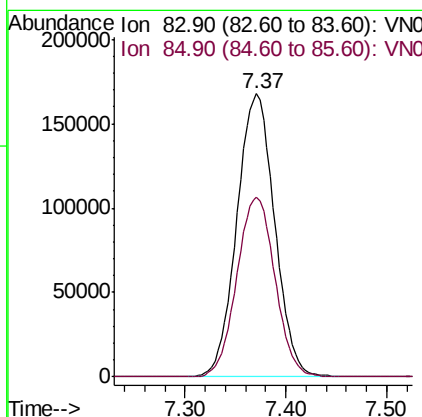
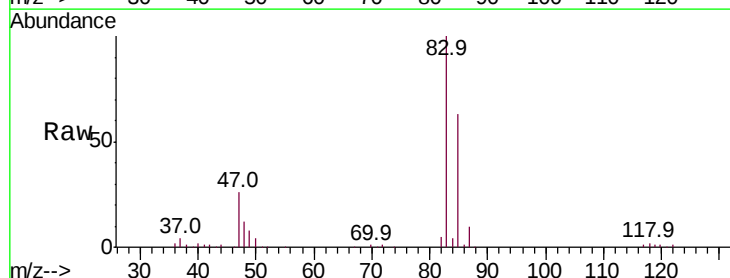
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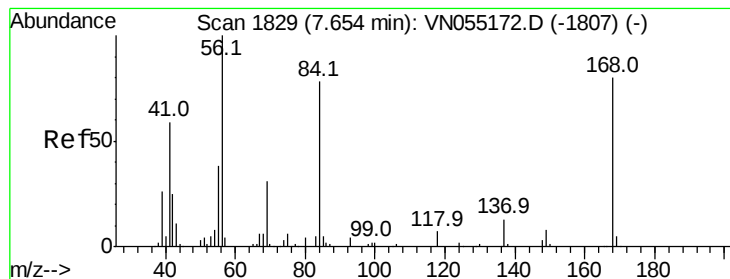
MMDadoda
4/26/2019 10:58:48 AM



#30
Chloroform
Concen: 47.564 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055234.D
Acq: 25 Apr 2019 9:25

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.5	50.6	76.0





#31

Cyclohexane

Concen: 48.813 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN055234.D

Acq: 25 Apr 2019 9:25

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 56 Resp: 440733

Ion Ratio Lower Upper

56 100

69 30.9 24.6 37.0

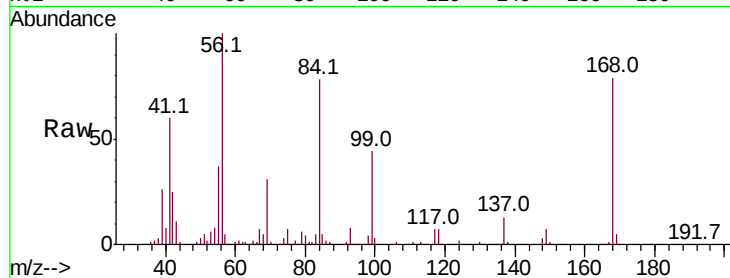
84 76.4 61.4 92.2

Manual Integrations

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MMdadoda

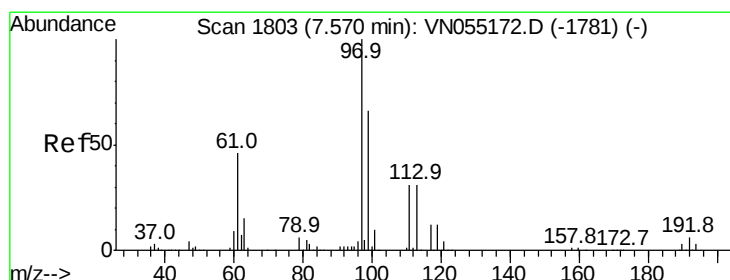
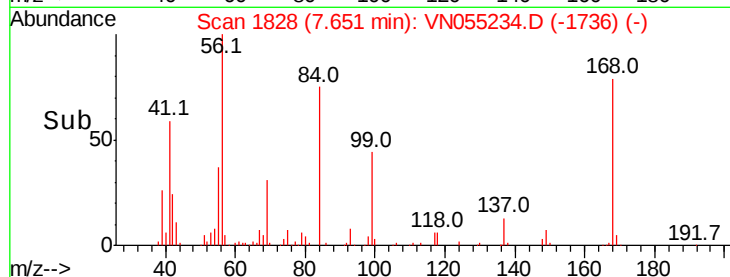
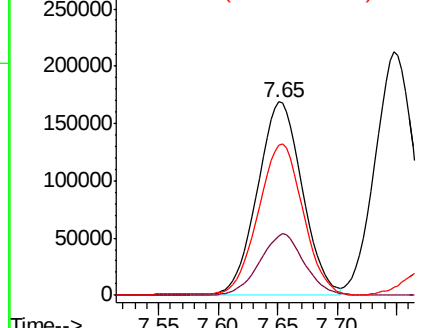
4/26/2019 10:58:48 AM



Abundance Ion 56.00 (55.70 to 56.70): VNC

Ion 69.00 (68.70 to 69.70): VNC

Ion 84.00 (83.70 to 84.70): VNC



#32

1,1,1-Trichloroethane

Concen: 49.232 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN055234.D

Acq: 25 Apr 2019 9:25

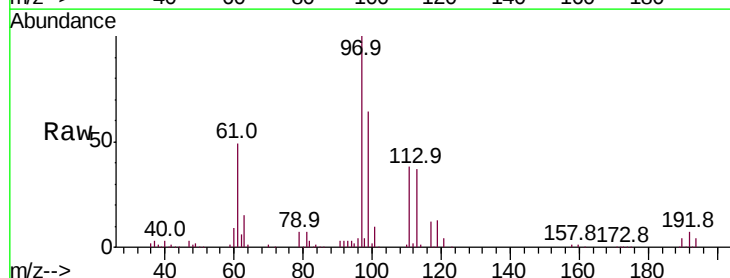
Tgt Ion: 97 Resp: 362614

Ion Ratio Lower Upper

97 100

99 64.2 51.1 76.7

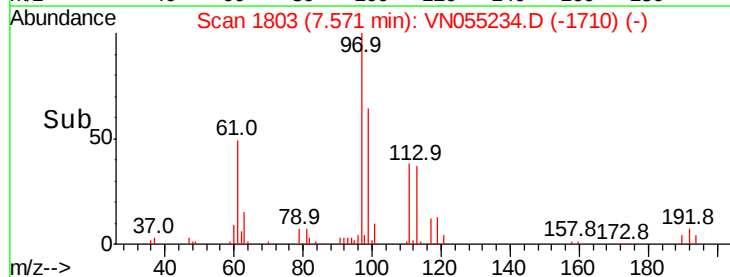
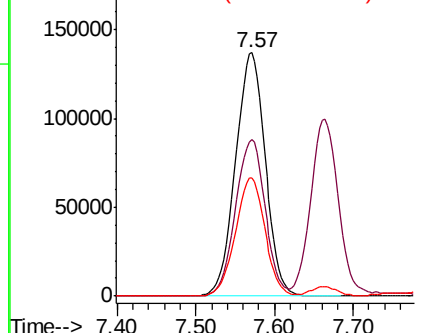
61 48.3 38.3 57.5

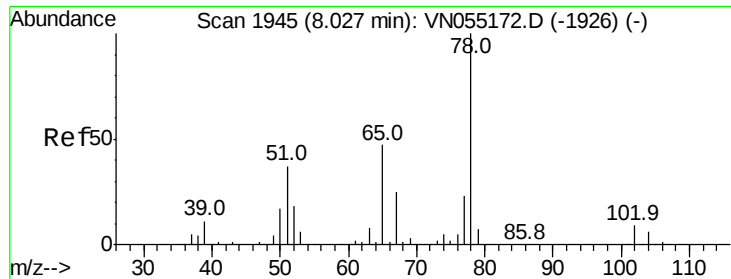


Abundance Ion 96.90 (96.60 to 97.60): VNC

Ion 98.90 (98.60 to 99.60): VNC

Ion 60.90 (60.60 to 61.60): VNC





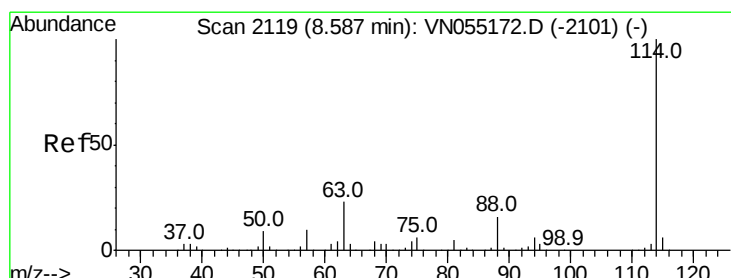
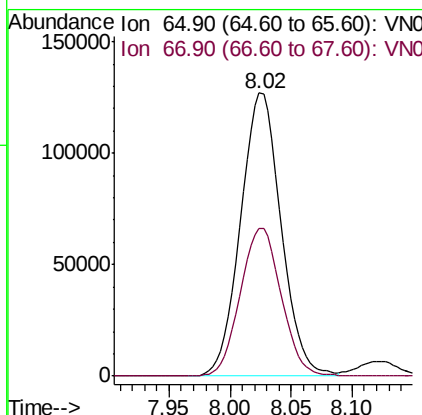
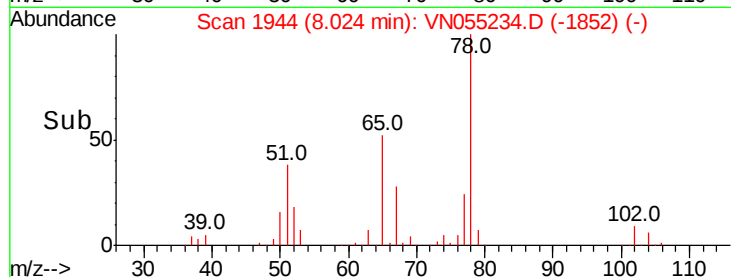
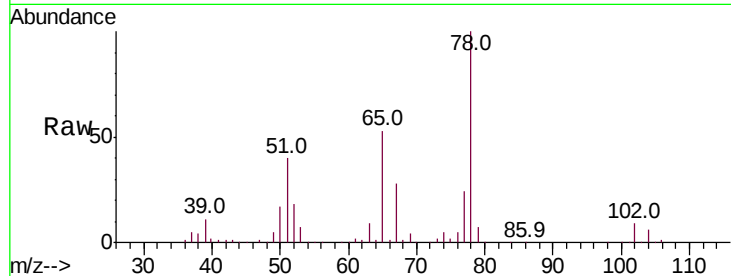
#33
 1,2-Dichloroethane-d4
 Concen: 48.794 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN055234.D
 Acq: 25 Apr 2019 9:25

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	291899		
67	52.8	0.0	108.6	

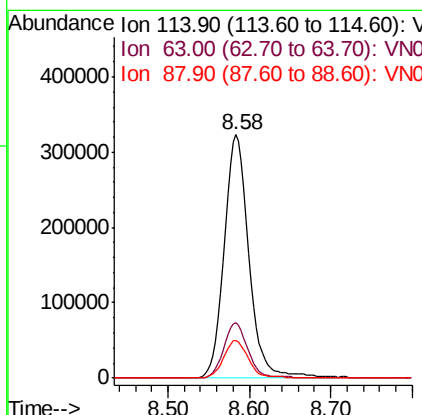
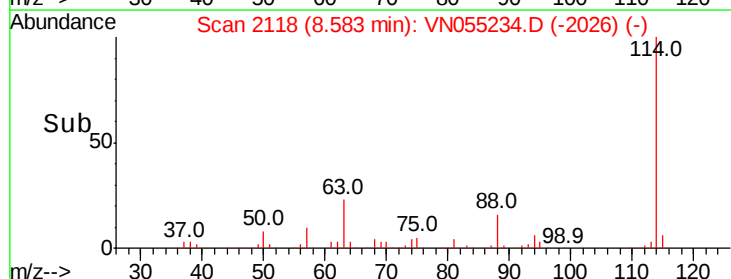
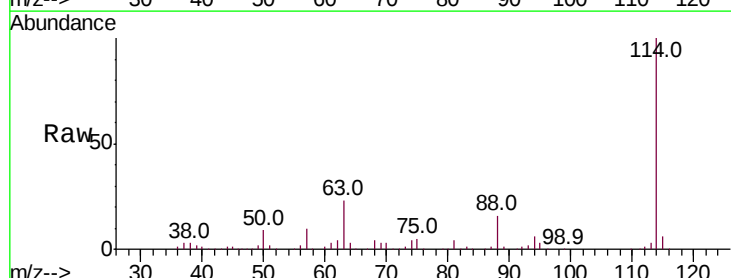
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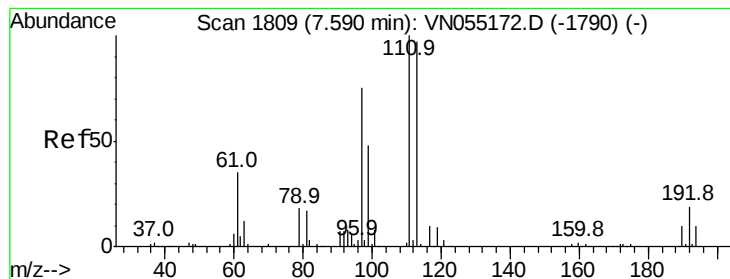
MMDadoda
 4/26/2019 10:58:48 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN055234.D
 Acq: 25 Apr 2019 9:25

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	695145		
63	22.9	0.0	45.2	
88	15.6	0.0	32.8	





#35

Dibromofluoromethane

Concen: 49.268 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN055234.D

Acq: 25 Apr 2019 9:25

Instrument :

MSVOA_N

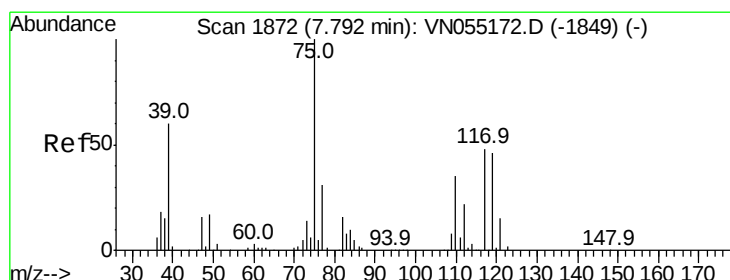
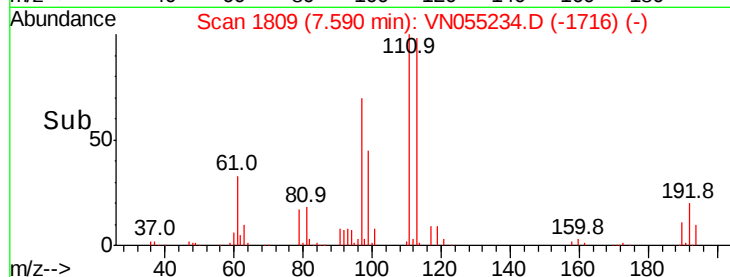
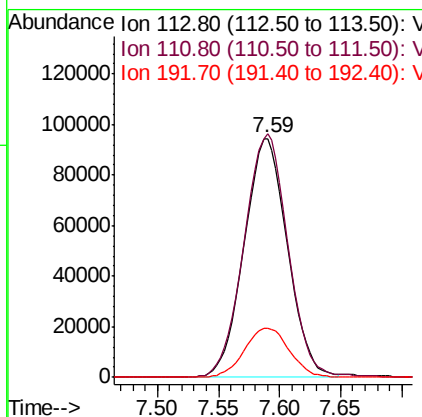
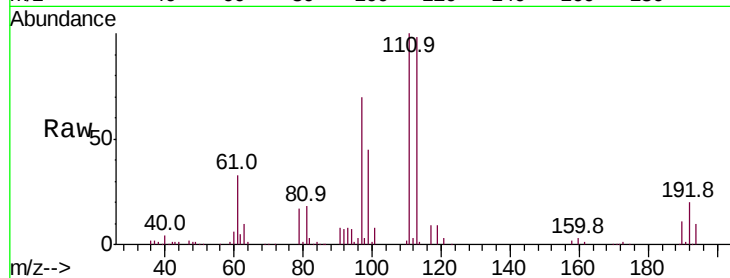
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	232664
Ion Ratio	Lower	Upper	
113	100		
111	103.7	81.0	121.4
192	21.4	16.2	24.4

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MMdadoda
4/26/2019 10:58:48 AM



#36

1,1-Dichloropropene

Concen: 52.679 ug/l

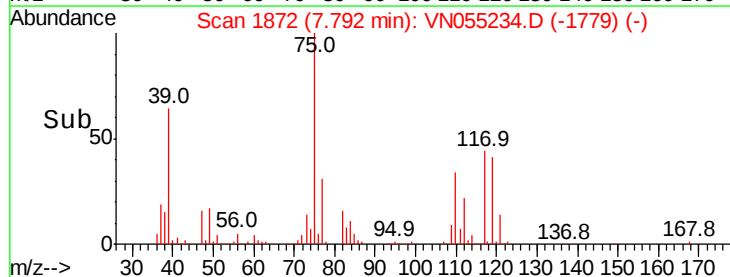
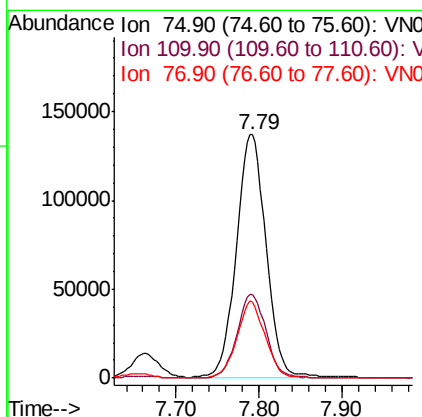
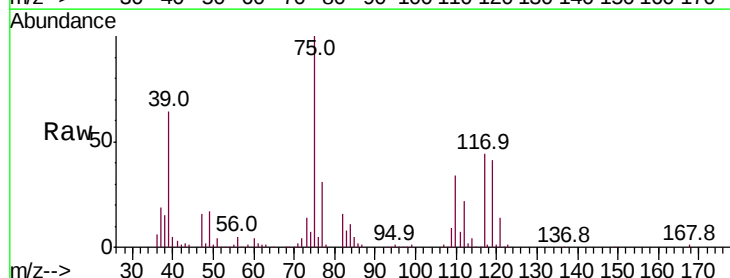
RT: 7.79 min Scan# 1872

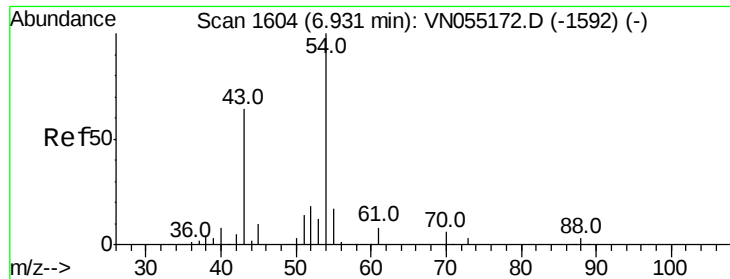
Delta R.T. 0.00 min

Lab File: VN055234.D

Acq: 25 Apr 2019 9:25

Tgt Ion:	75	Resp:	339883
Ion Ratio	Lower	Upper	
75	100		
110	34.0	17.1	51.2
77	30.5	24.6	36.8





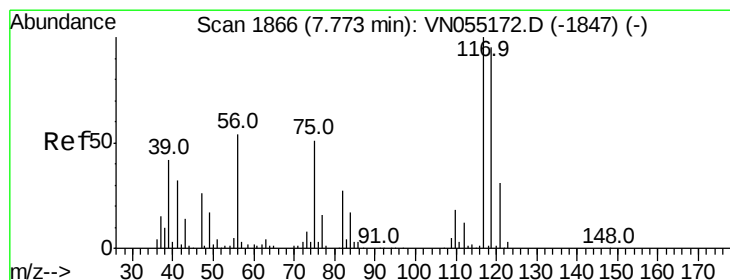
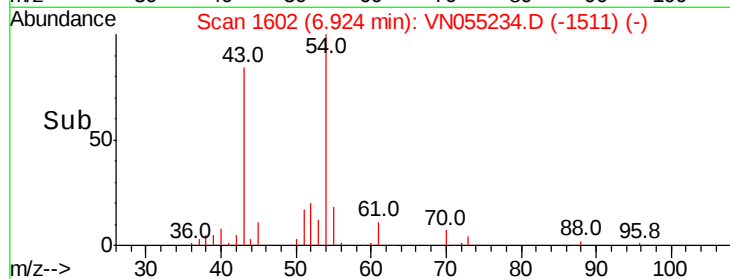
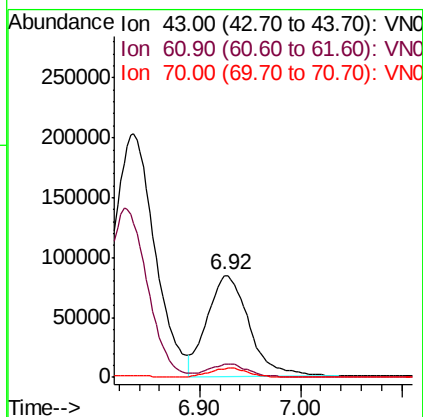
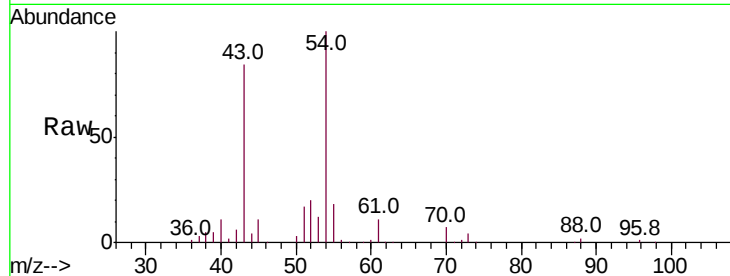
#37
Ethyl Acetate
Concen: 46.442 ug/l
RT: 6.92 min Scan# 1602
Delta R.T. -0.01 min
Lab File: VN055234.D
Acq: 25 Apr 2019 9:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.1	9.7	14.5
70	8.8	6.9	10.3

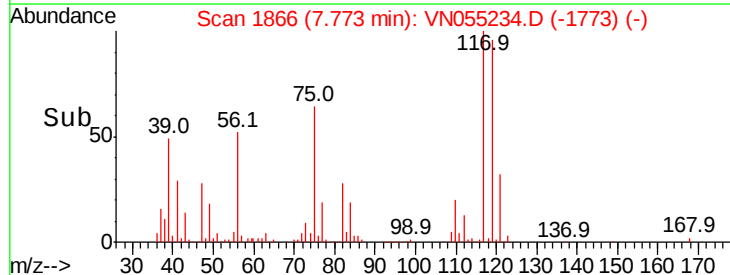
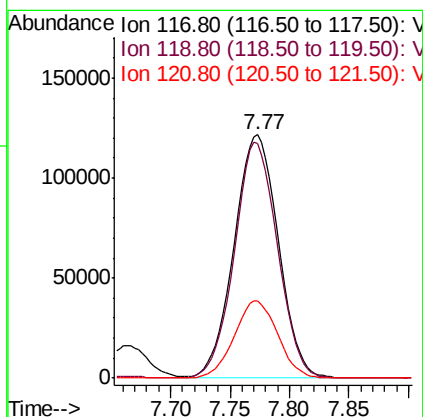
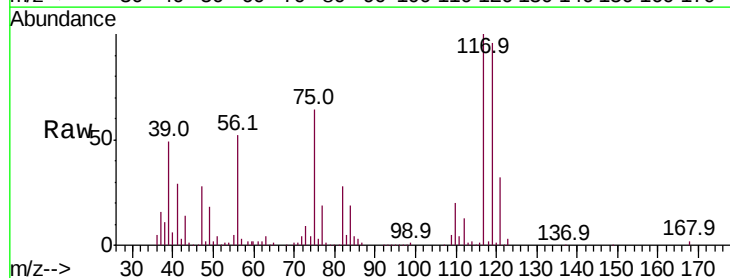
Manual Integrations
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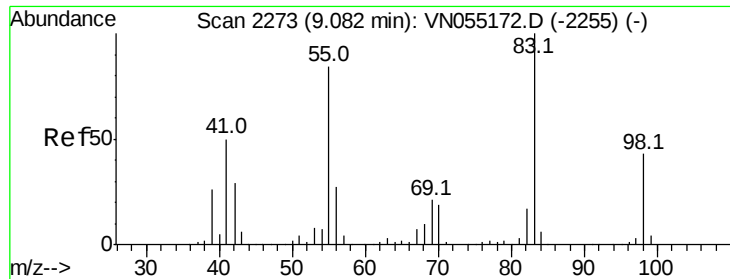
MMdadoda
4/26/2019 10:58:48 AM



#38
Carbon Tetrachloride
Concen: 51.663 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN055234.D
Acq: 25 Apr 2019 9:25

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.2	76.0	114.0
121	31.7	24.6	36.8





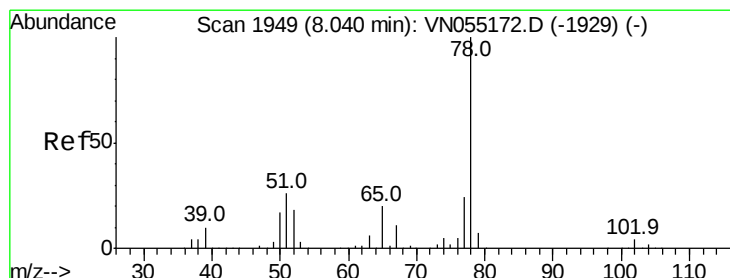
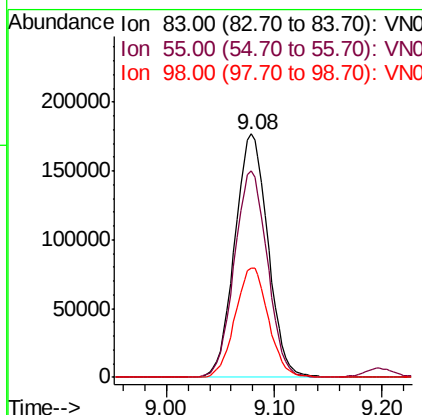
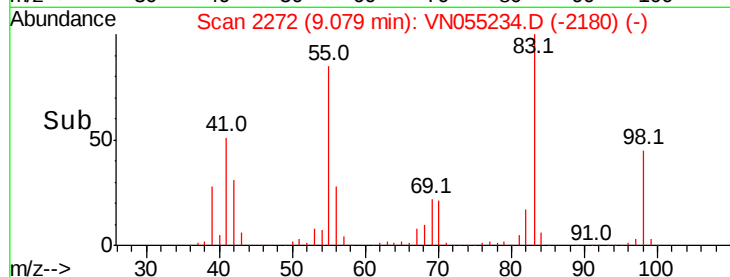
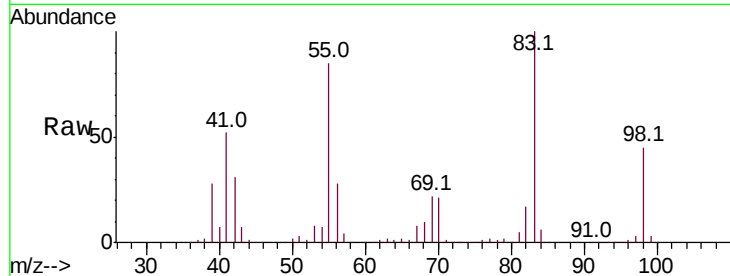
#39
Methvlcvclohexane
Concen: 48.937 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN055234.D
Acq: 25 Apr 2019 9:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	85.1	67.4	101.0
98	45.0	34.7	52.1

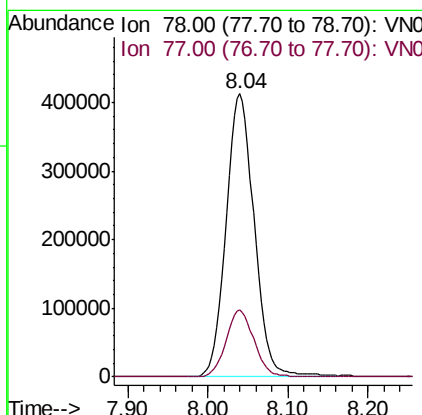
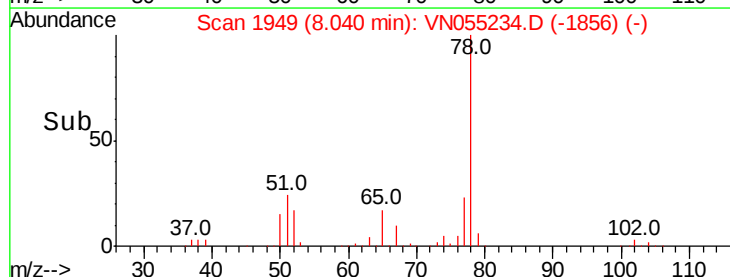
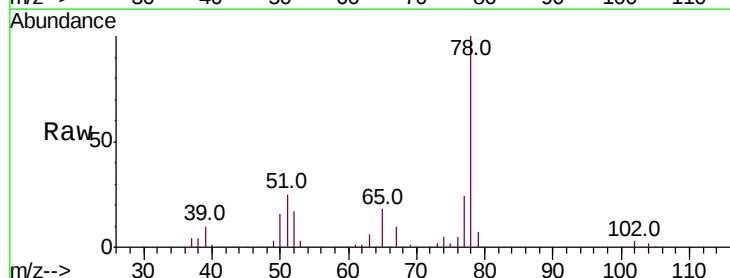
Manual Integrations
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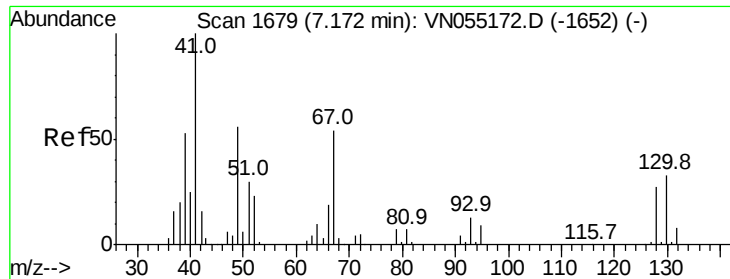
MMdadoda
4/26/2019 10:58:48 AM



#40
Benzene
Concen: 49.709 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055234.D
Acq: 25 Apr 2019 9:25

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.5	29.3





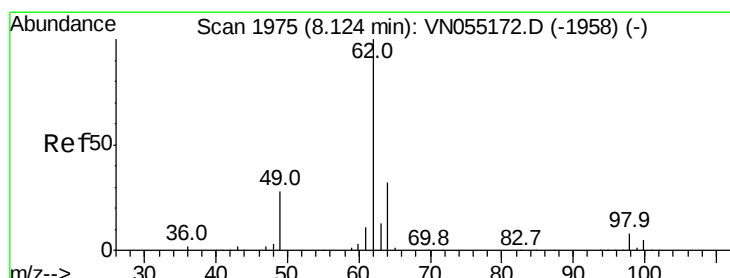
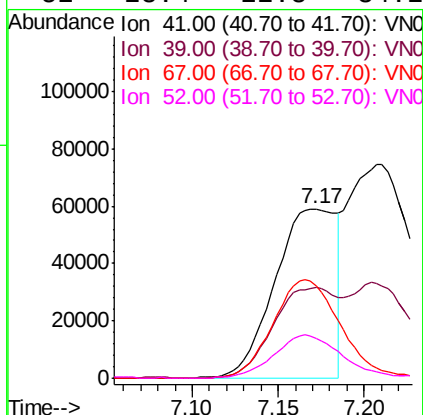
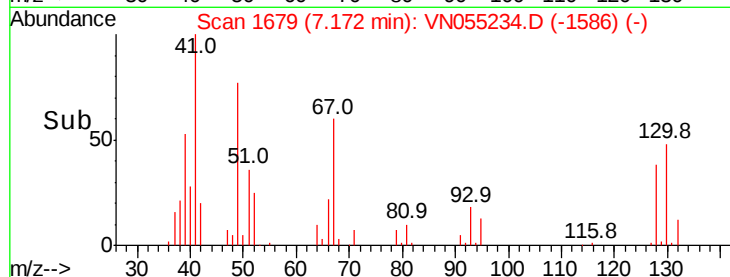
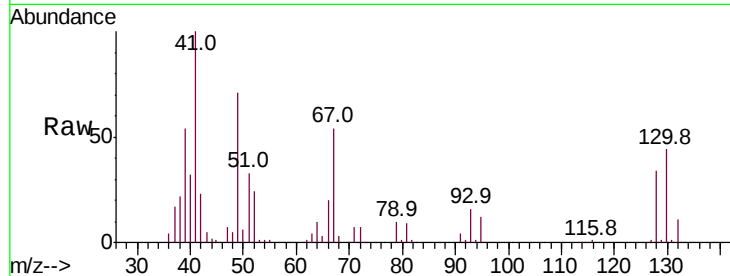
#41
Methacrylonitrile
Concen: 53.401 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN055234.D
Acq: 25 Apr 2019 9:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	57.6	45.4	68.0	
67	64.7	54.6	81.8	
52	28.4	22.8	34.2	

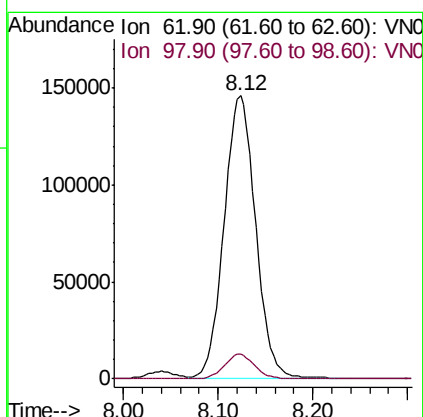
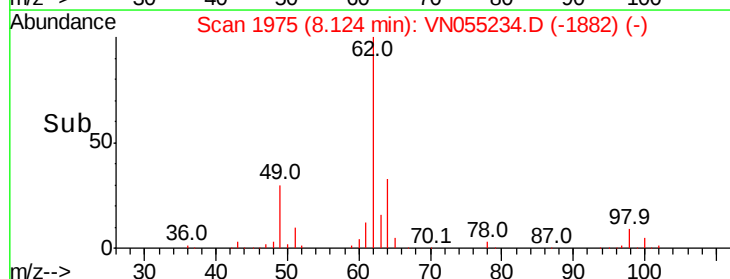
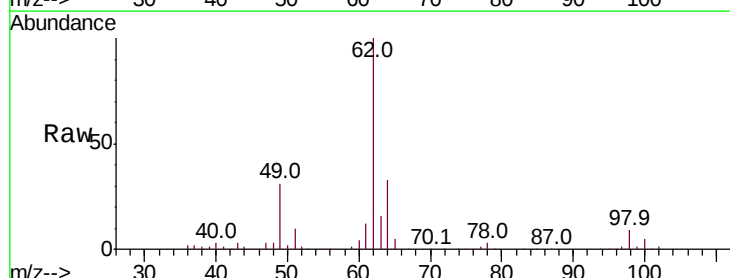
Manual Integrations
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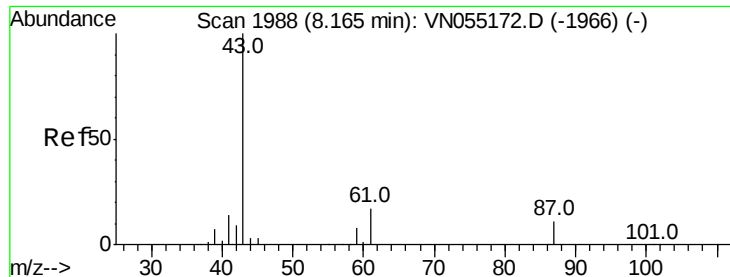
MMDadoda
4/26/2019 10:58:48 AM



#42
1,2-Dichloroethane
Concen: 48.494 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055234.D
Acq: 25 Apr 2019 9:25

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.3	0.0	17.0	





#43

Isopropyl Acetate

Concen: 51.075 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN055234.D

Acq: 25 Apr 2019 9:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 430657

Ion Ratio Lower Upper

43 100

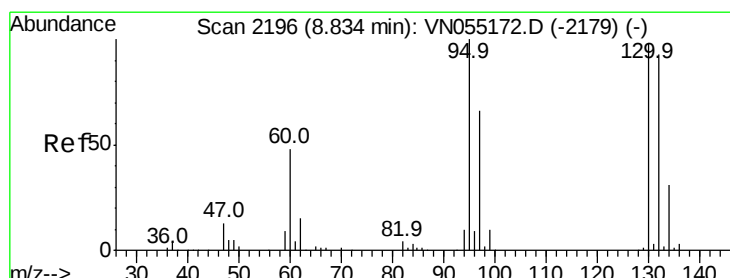
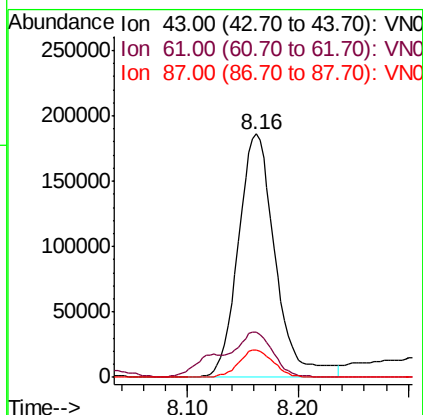
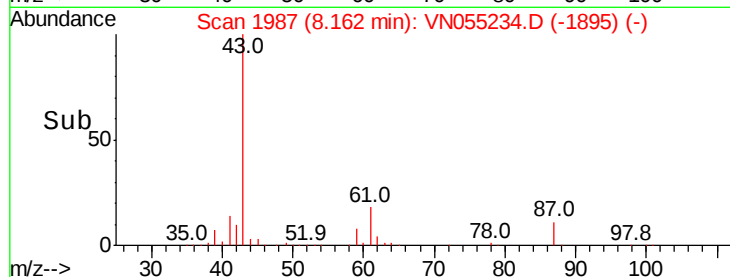
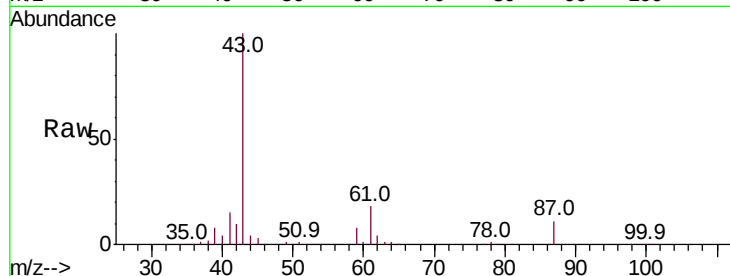
61 16.5 20.6 30.8#

87 10.6 8.8 13.2

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#44

Trichloroethene

Concen: 49.757 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN055234.D

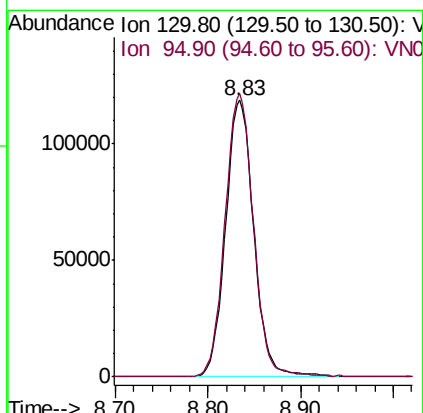
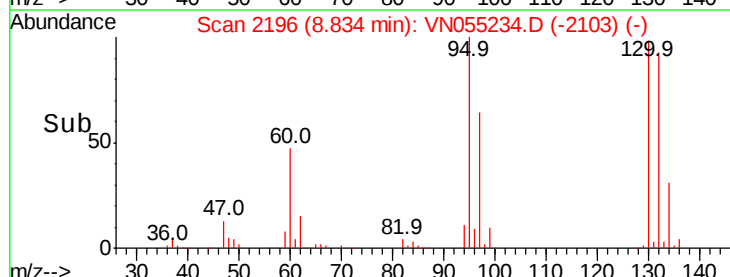
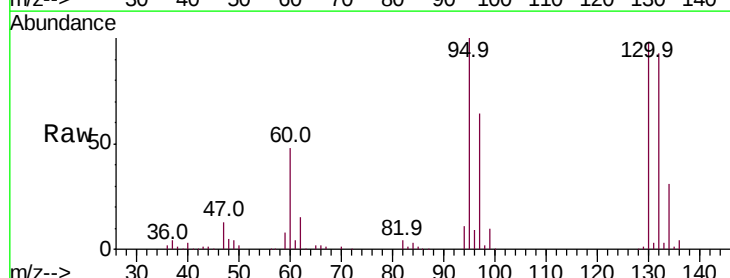
Acq: 25 Apr 2019 9:25

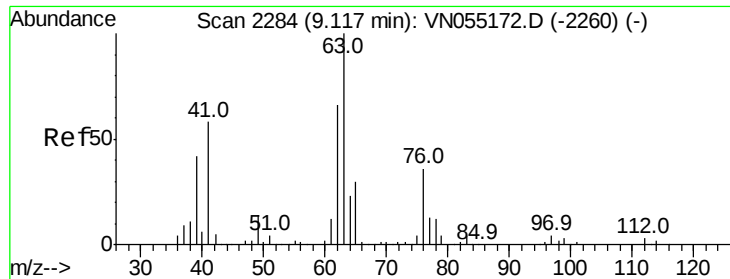
Tgt Ion: 130 Resp: 250477

Ion Ratio Lower Upper

130 100

95 102.4 0.0 203.6





#45

1,2-Dichloropropane

Concen: 48.897 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. 0.00 min

Lab File: VN055234.D

Acq: 25 Apr 2019 9:25

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 63 Resp: 274903

Ion Ratio Lower Upper

63 100

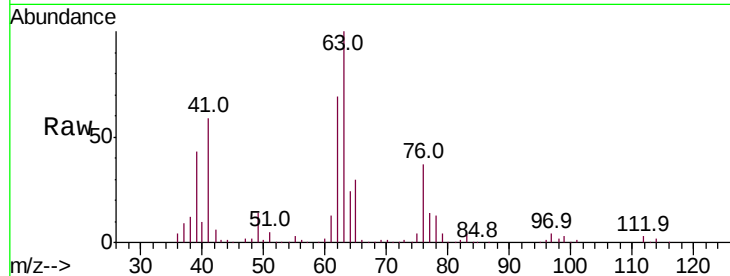
65 30.0 23.8 35.6

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Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO

150000

100000

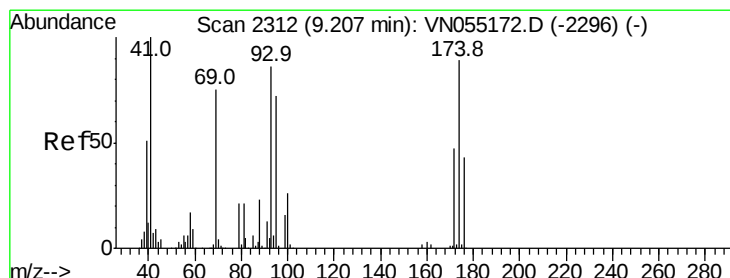
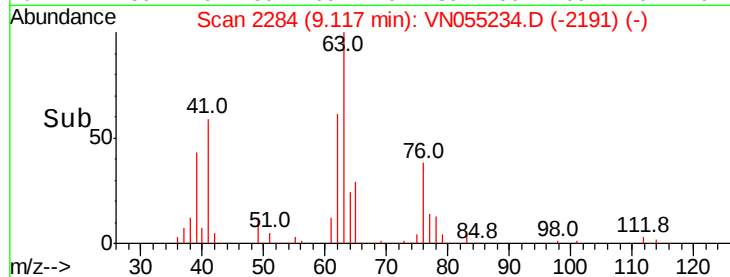
50000

0

9.12

9.00 9.10 9.20

Time-->



#46

Dibromomethane

Concen: 47.962 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN055234.D

Acq: 25 Apr 2019 9:25

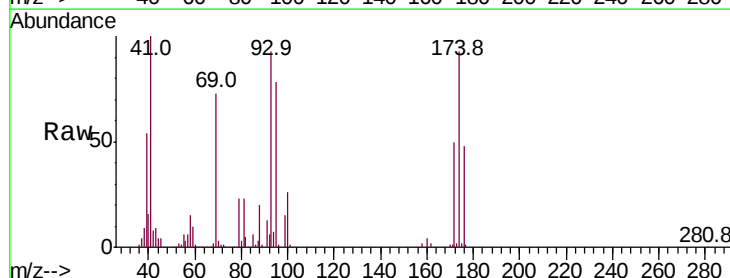
Tgt Ion: 93 Resp: 154361

Ion Ratio Lower Upper

93 100

95 85.3 67.6 101.4

174 101.4 83.4 125.2



Abundance Ion 92.80 (92.50 to 93.50): VNO

Ion 94.80 (94.50 to 95.50): VNO

Ion 173.70 (173.40 to 174.40): VNO

100000

80000

60000

40000

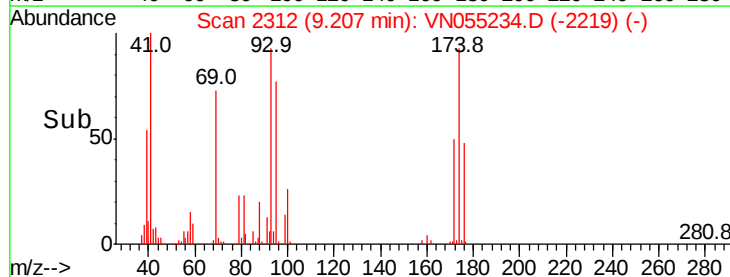
20000

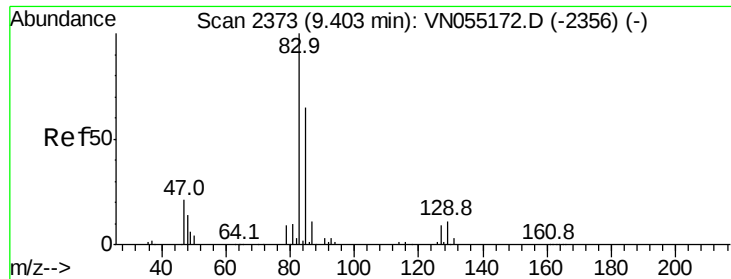
0

9.21

9.10 9.20 9.30

Time-->





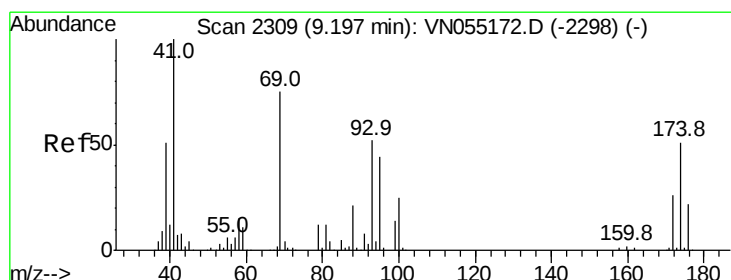
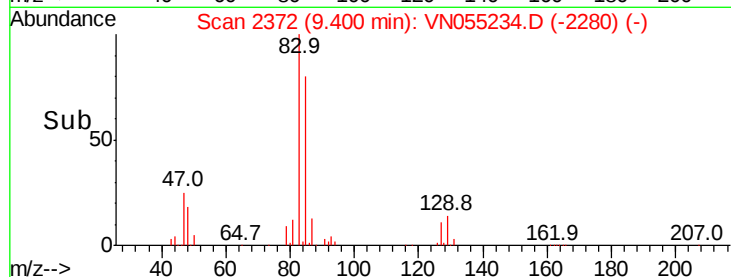
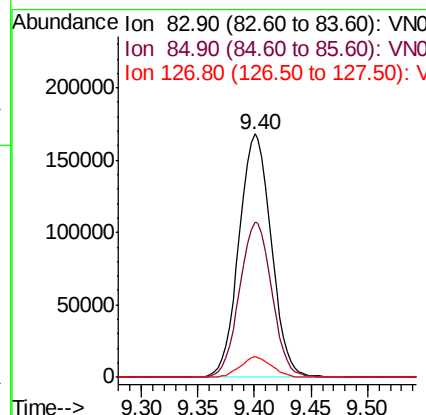
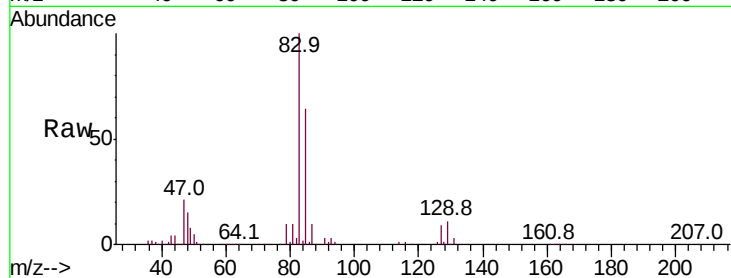
#47
Bromodichloromethane
Concen: 52.023 ug/l
RT: 9.40 min Scan# 2372
Delta R.T. -0.00 min
Lab File: VN055234.D
Acq: 25 Apr 2019 9:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	63.7	52.1	78.1	
127	8.5	6.9	10.3	

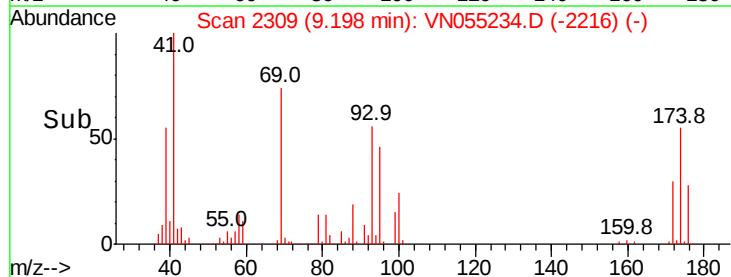
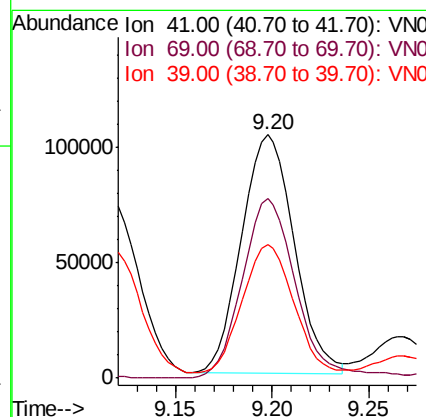
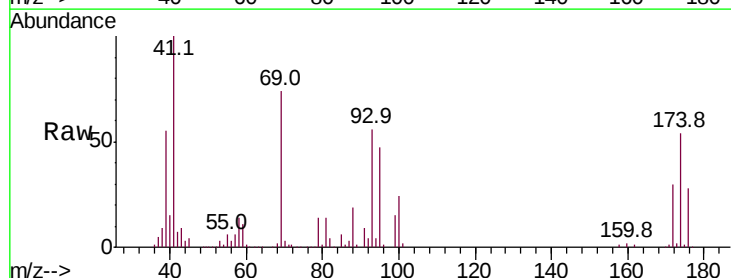
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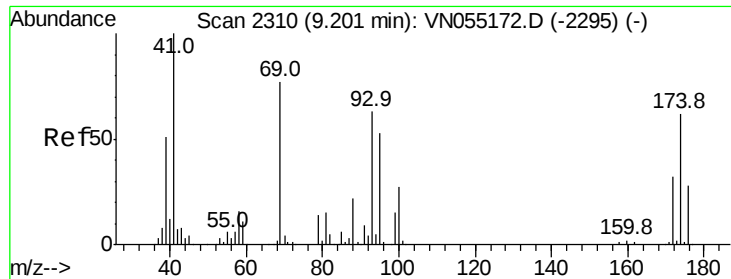
MMdadoda
4/26/2019 10:58:48 AM



#48
Methyl methacrylate
Concen: 47.837 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN055234.D
Acq: 25 Apr 2019 9:25

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	78.0	63.6	95.4	
39	56.1	43.8	65.8	





#49

1,4-Dioxane

Concen: 913.992 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN055234.D

Acq: 25 Apr 2019 9:25

Instrument :

MSVOA_N

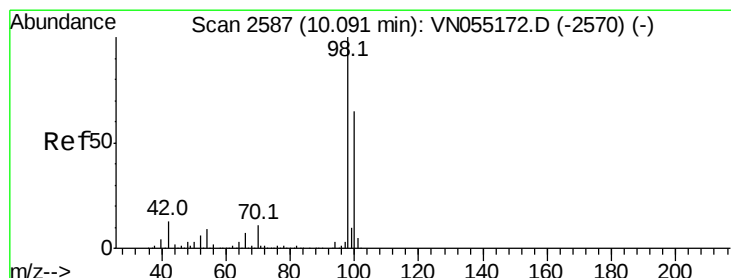
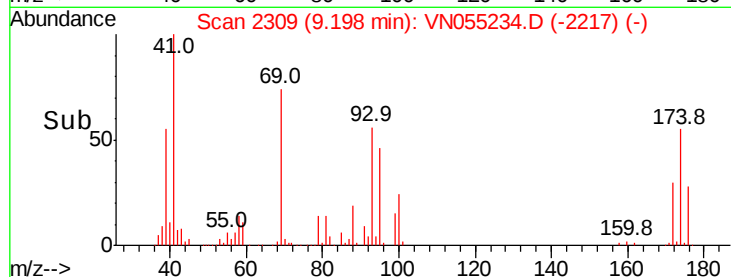
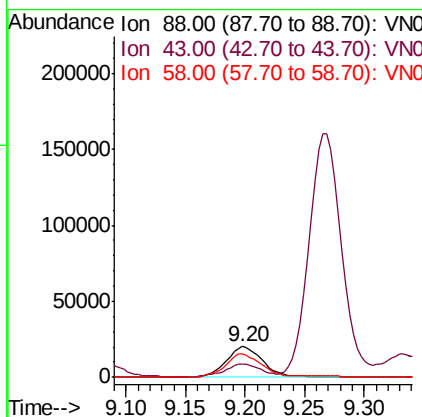
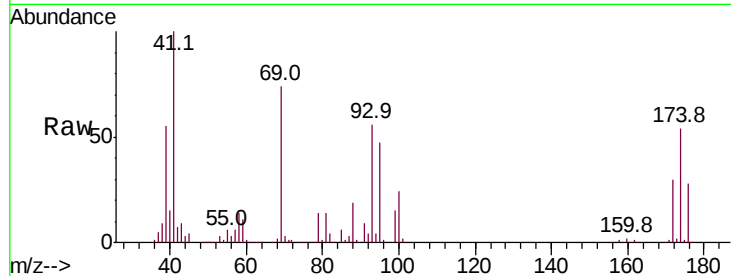
ClientSampleId :

VSTDCCC050

Tot Ion:	88	Resp:	43171
Ion Ratio	Lower	Upper	
88	100		
43	39.8	32.0	48.0
58	75.9	60.4	90.6

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#50

Toluene-d8

Concen: 49.754 ug/l

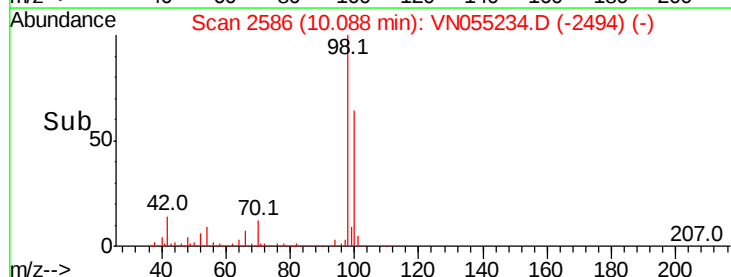
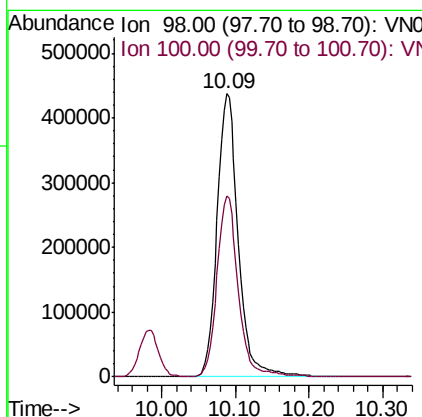
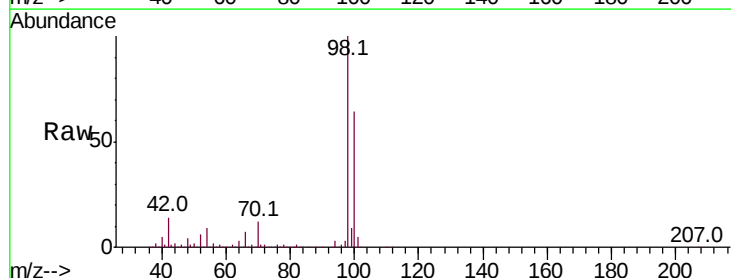
RT: 10.09 min Scan# 2586

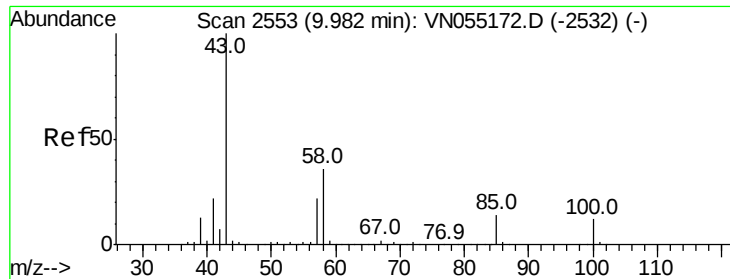
Delta R.T. -0.00 min

Lab File: VN055234.D

Acq: 25 Apr 2019 9:25

Tgt Ion:	98	Resp:	870560
Ion Ratio	Lower	Upper	
98	100		
100	64.4	51.8	77.6





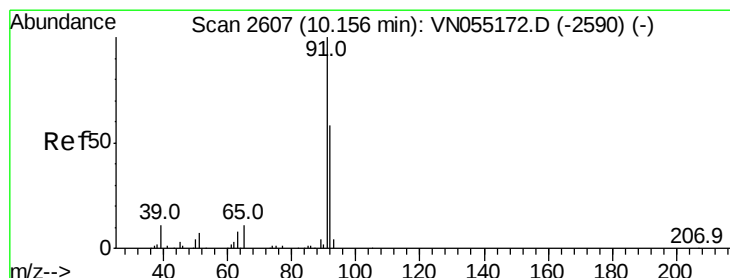
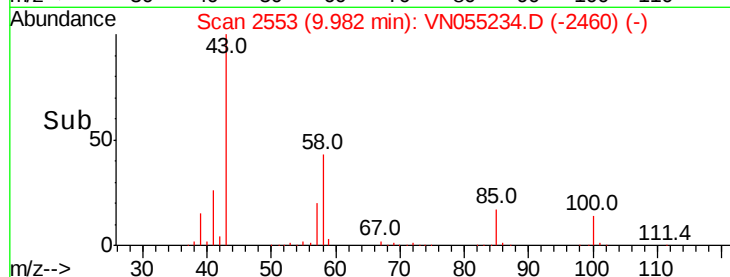
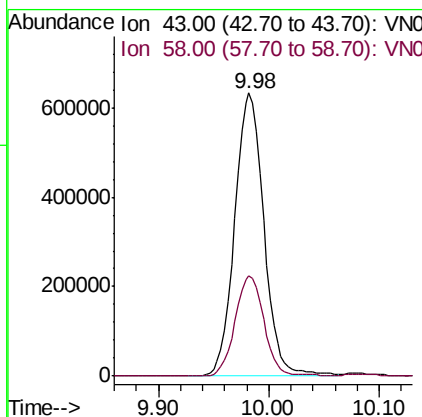
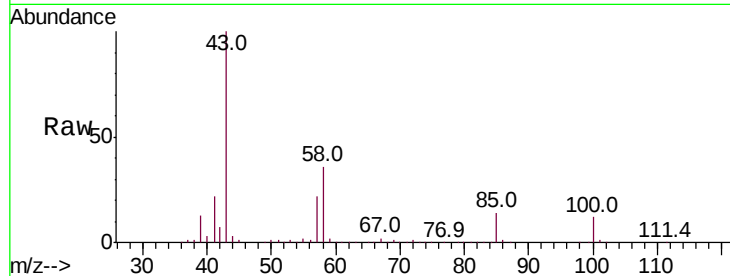
#51
4-Methyl-2-Pentanone
Concen: 238.826 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. 0.00 min
Lab File: VN055234.D
Acq: 25 Apr 2019 9:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1158772
Ion Ratio Lower Upper
43 100
58 35.4 28.3 42.5

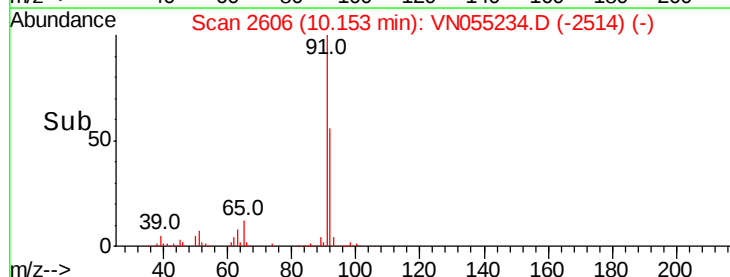
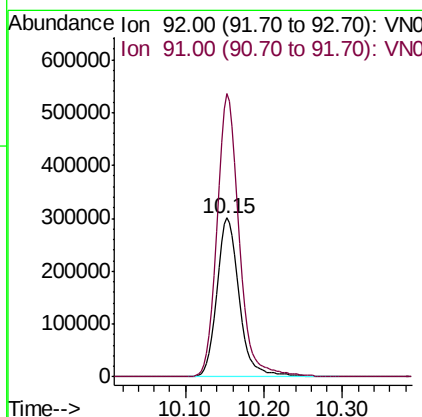
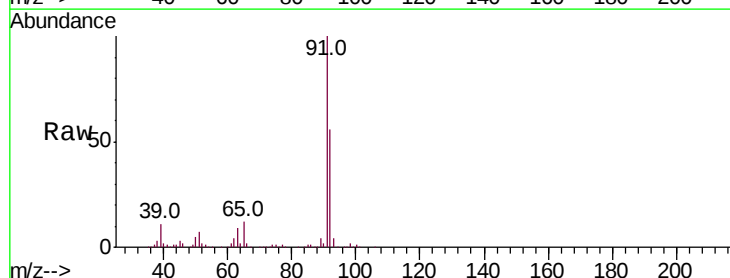
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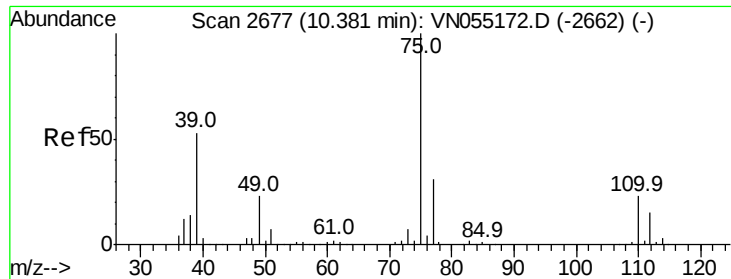
MMDadoda
4/26/2019 10:58:48 AM



#52
Toluene
Concen: 50.595 ug/l
RT: 10.15 min Scan# 2606
Delta R.T. -0.00 min
Lab File: VN055234.D
Acq: 25 Apr 2019 9:25

Tgt Ion: 92 Resp: 590742
Ion Ratio Lower Upper
92 100
91 176.0 138.7 208.1





#53

t-1,3-Dichloropropene

Concen: 54.948 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN055234.D

Acq: 25 Apr 2019 9:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 324889

Ion Ratio Lower Upper

75 100

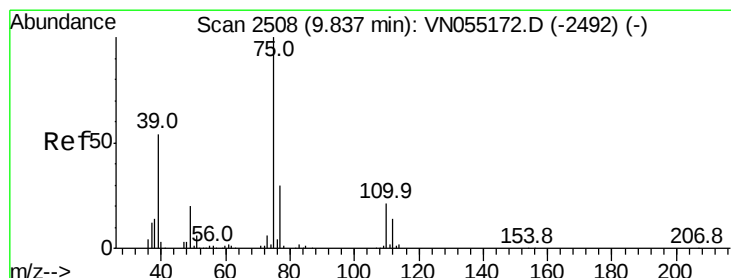
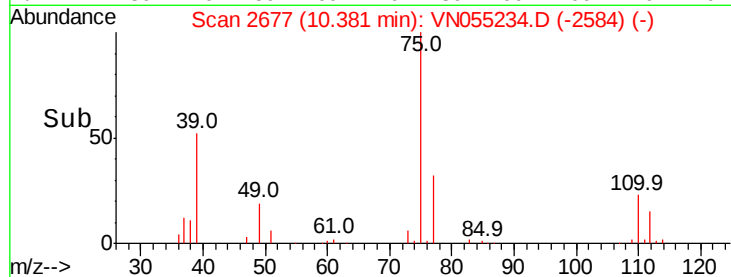
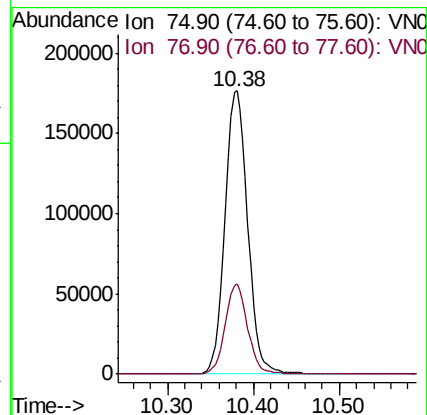
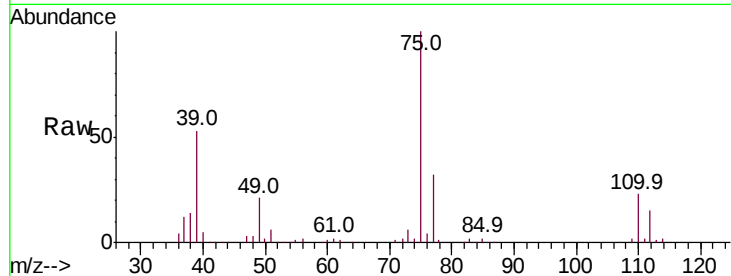
77 31.7 25.1 37.7

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#54

cis-1,3-Dichloropropene

Concen: 53.314 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. 0.00 min

Lab File: VN055234.D

Acq: 25 Apr 2019 9:25

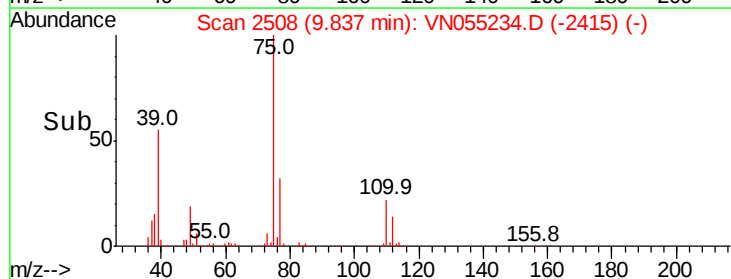
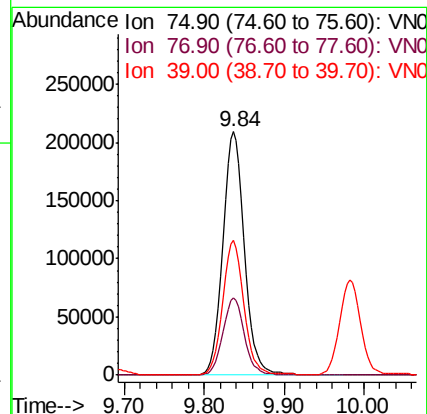
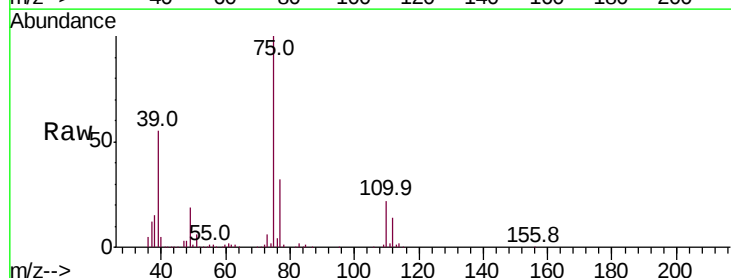
Tgt Ion: 75 Resp: 391186

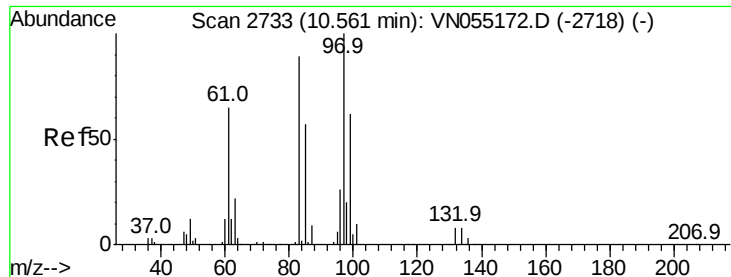
Ion Ratio Lower Upper

75 100

77 31.8 24.3 36.5

39 55.1 43.0 64.4





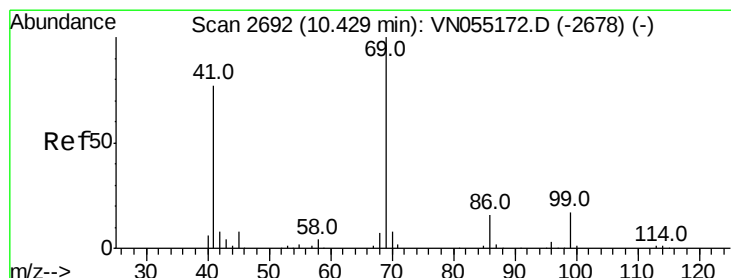
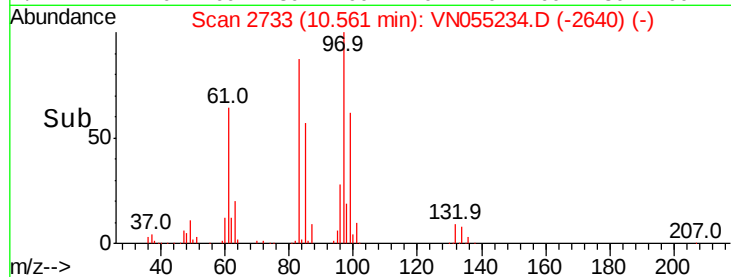
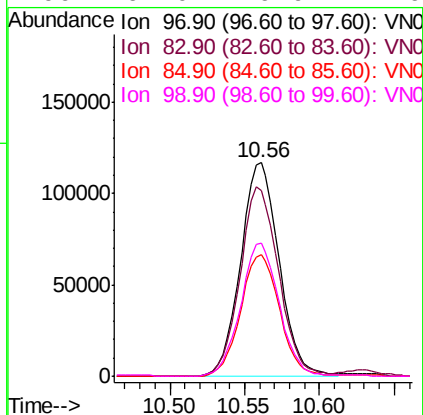
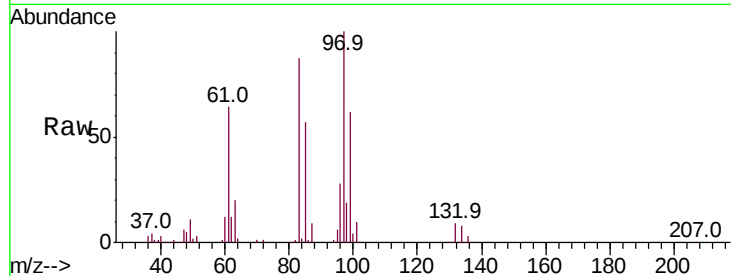
#55
 1,1,2-Trichloroethane
 Concen: 48.634 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055234.D
 Acq: 25 Apr 2019 9:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	209352
Ion	Ratio	Lower	Upper
97	100		
83	87.0	71.5	107.3
85	56.9	45.8	68.6
99	62.0	49.9	74.9

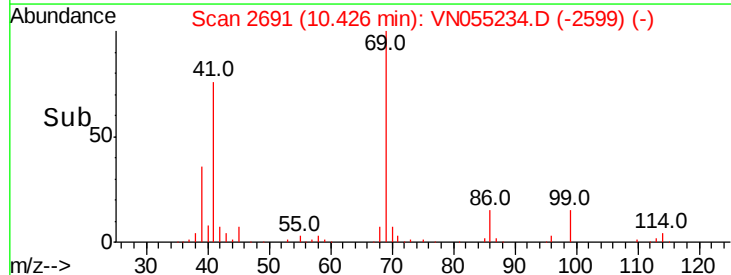
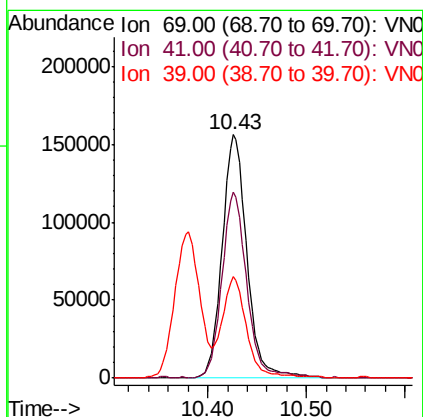
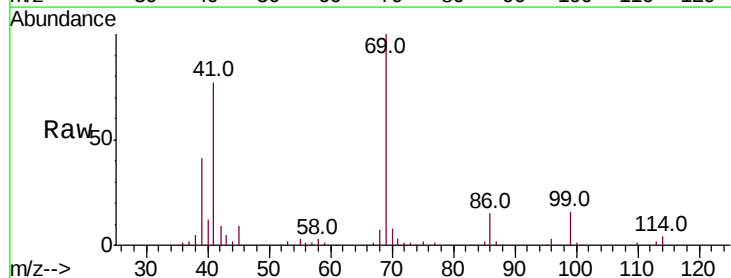
Manual Integrations
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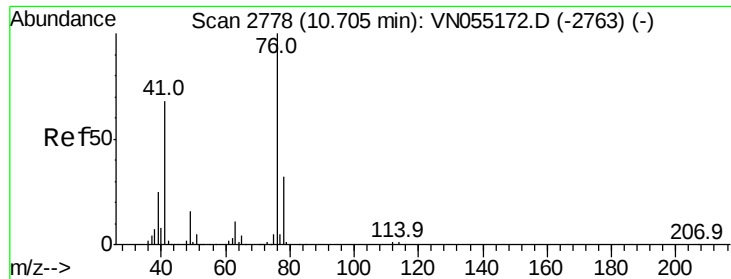
MMDadoda
 4/26/2019 10:58:48 AM



#56
 Ethyl methacrylate
 Concen: 51.502 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN055234.D
 Acq: 25 Apr 2019 9:25

Tgt Ion:	69	Resp:	276176
Ion	Ratio	Lower	Upper
69	100		
41	75.9	60.6	90.8
39	40.9	31.7	47.5





#57

1,3-Dichloropropane

Concen: 49.295 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN055234.D

Acq: 25 Apr 2019 9:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 369185

Ion Ratio Lower Upper

76 100

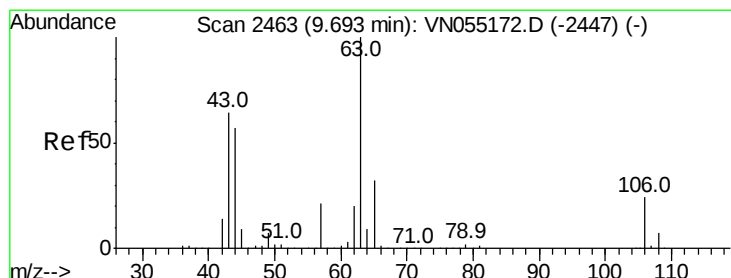
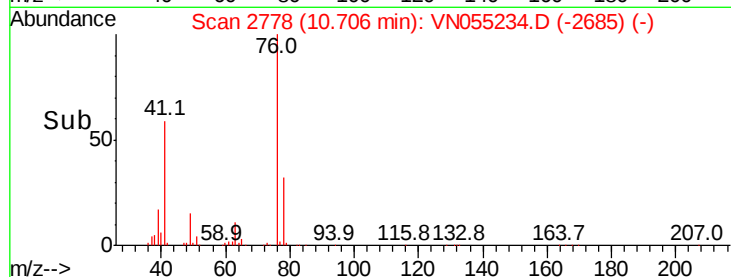
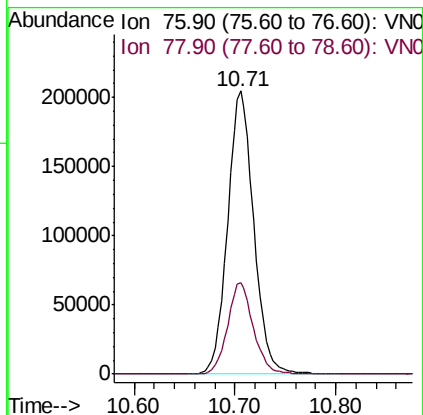
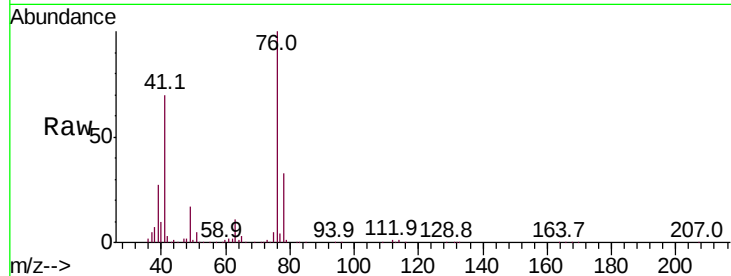
78 31.9 25.3 37.9

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#58

2-Chloroethyl Vinyl ether

Concen: 186.832 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN055234.D

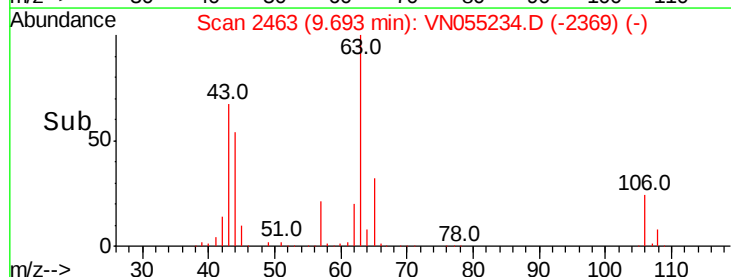
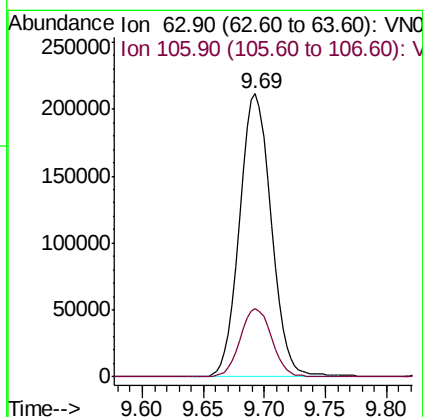
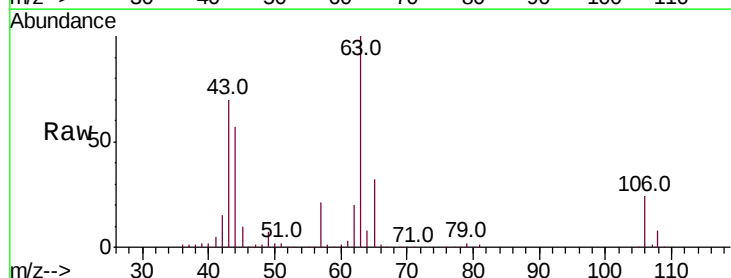
Acq: 25 Apr 2019 9:25

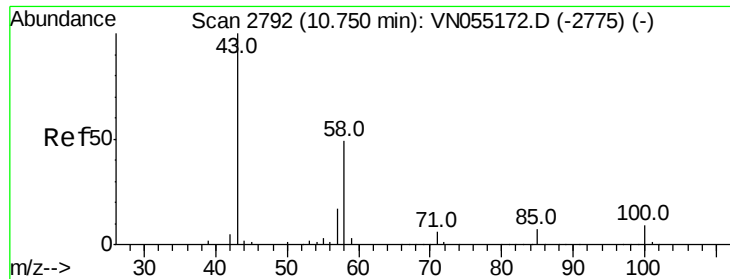
Tgt Ion: 63 Resp: 379876

Ion Ratio Lower Upper

63 100

106 24.1 19.4 29.0





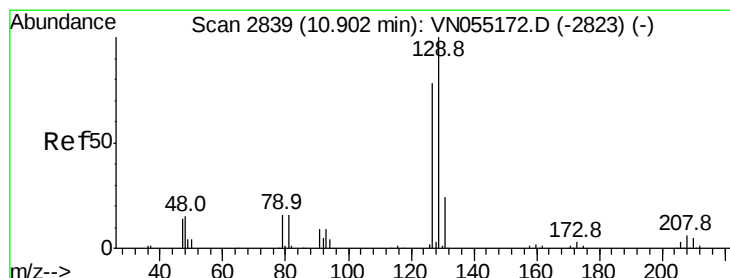
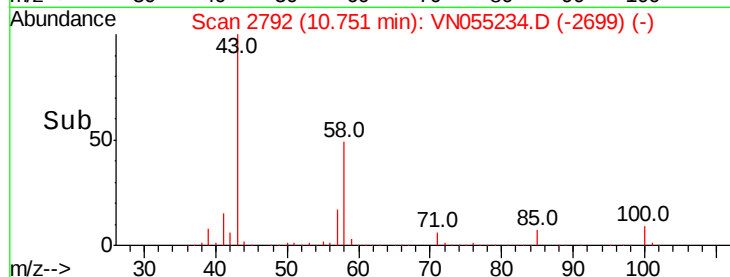
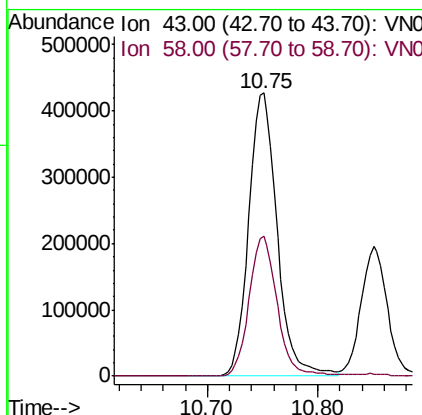
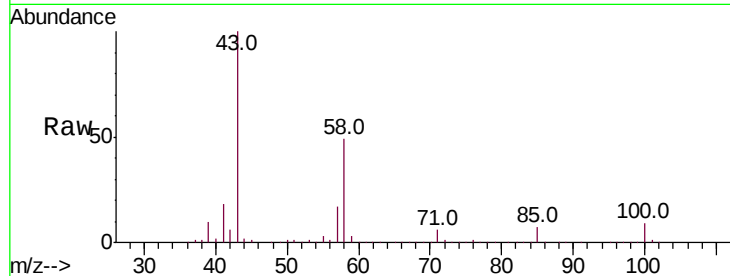
#59
2-Hexanone
Concen: 247.820 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN055234.D
Acq: 25 Apr 2019 9:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 759497
Ion Ratio Lower Upper
43 100
58 49.2 24.5 73.5

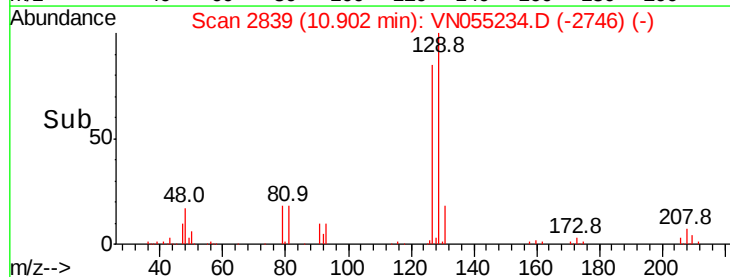
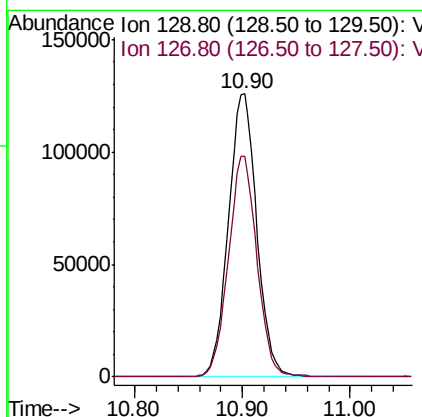
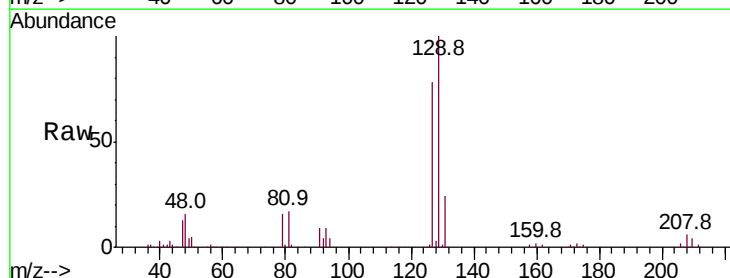
Manual Integrations
APPROVED

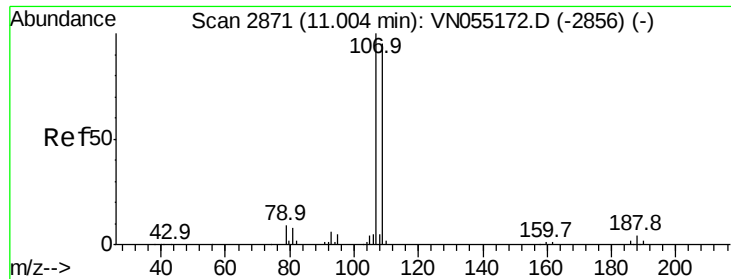
MMdadoda
4/26/2019 10:58:48 AM



#60
Dibromochloromethane
Concen: 52.169 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055234.D
Acq: 25 Apr 2019 9:25

Tgt Ion: 129 Resp: 231306
Ion Ratio Lower Upper
129 100
127 77.9 39.0 117.0





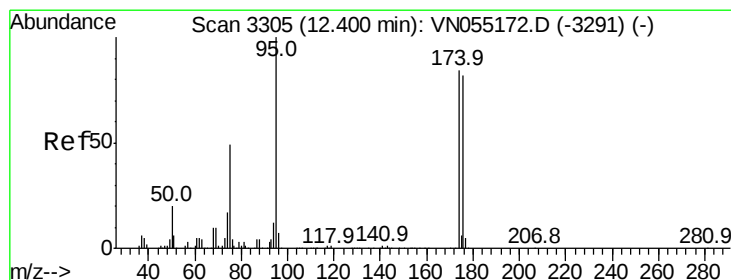
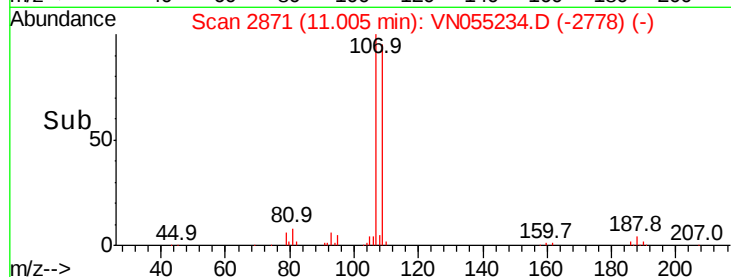
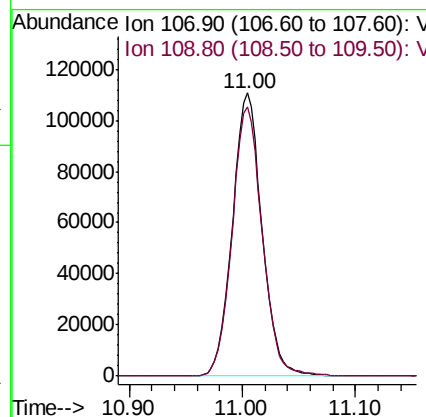
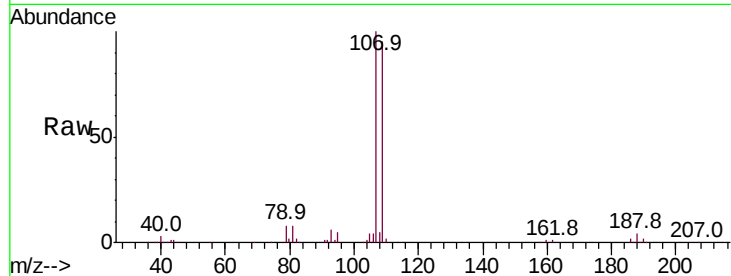
#61
 1,2-Dibromoethane
 Concen: 49.798 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN055234.D
 Acq: 25 Apr 2019 9:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.7	75.8	113.6

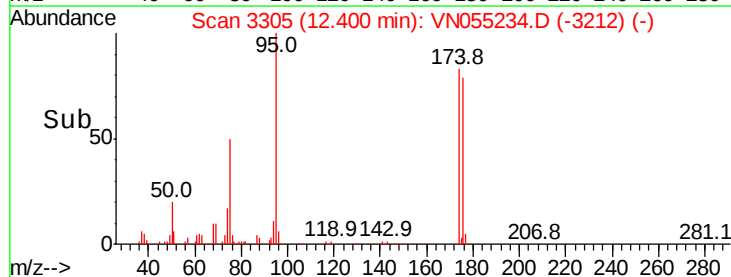
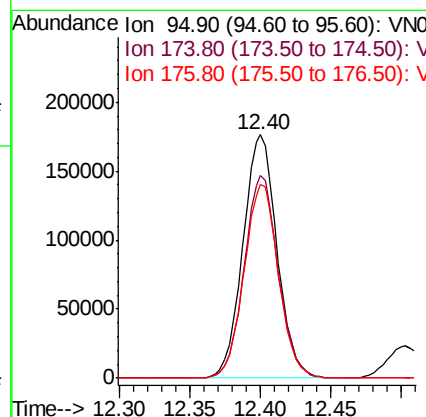
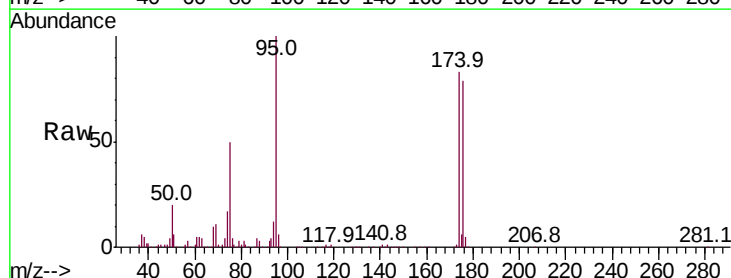
Manual Integrations
 APPROVED

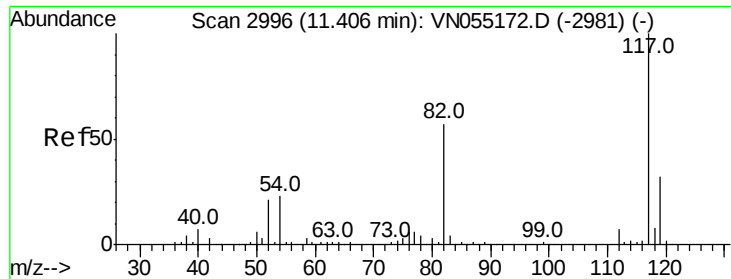
MMdadoda
 4/26/2019 10:58:48 AM



#62
 4-Bromofluorobenzene
 Concen: 53.751 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055234.D
 Acq: 25 Apr 2019 9:25

Tgt Ion	Ratio	Lower	Upper
95	100		
174	83.3	0.0	168.4
176	80.3	0.0	164.0





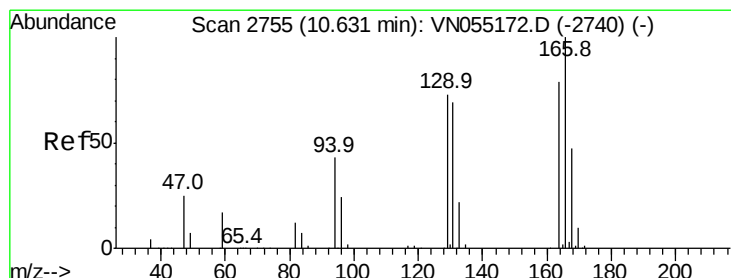
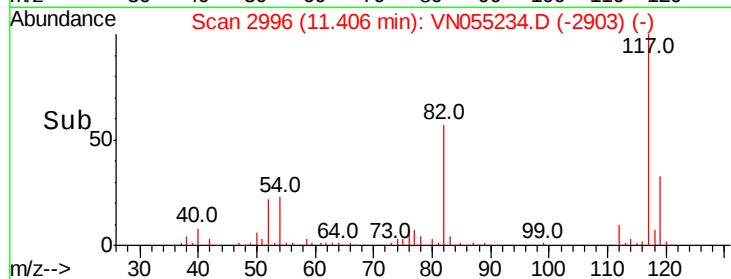
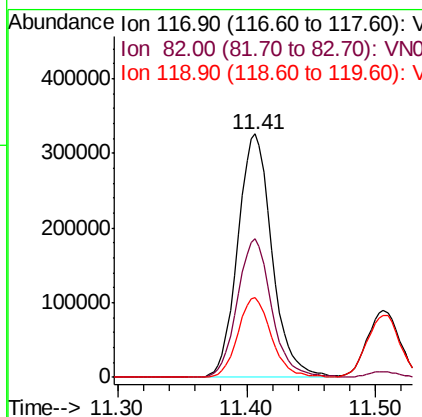
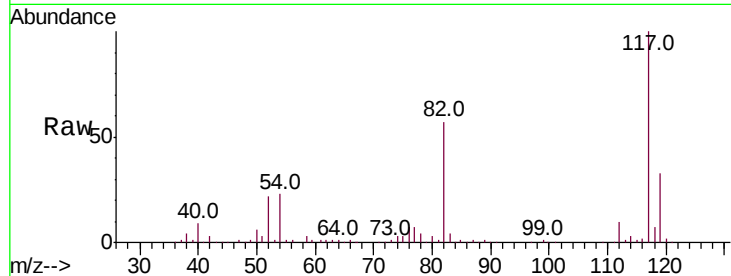
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055234.D
Acq: 25 Apr 2019 9:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.8	45.7	68.5
119	32.6	25.4	38.2

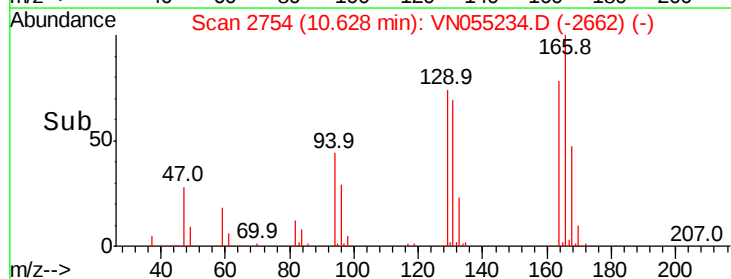
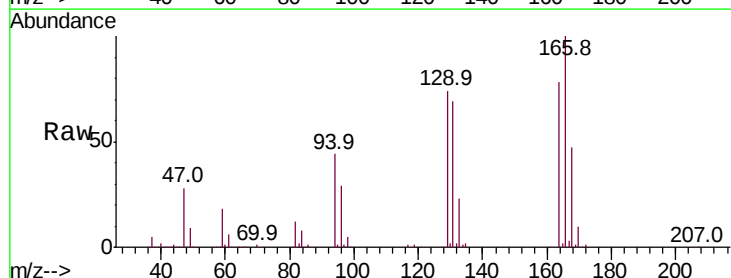
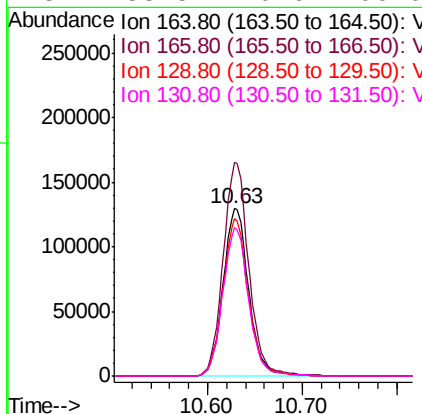
Manual Integrations
APPROVED

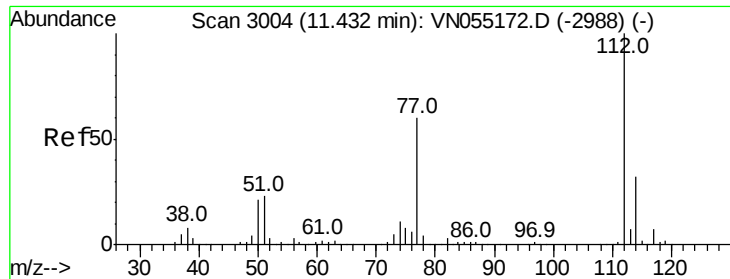
MMdadoda
4/26/2019 10:58:48 AM



#64
Tetrachloroethene
Concen: 49.561 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN055234.D
Acq: 25 Apr 2019 9:25

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.6	101.9	152.9
129	94.4	74.1	111.1
131	88.5	70.6	106.0





#65

Chlorobenzene

Concen: 48.617 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN055234.D

Acq: 25 Apr 2019 9:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 597407

Ion Ratio Lower Upper

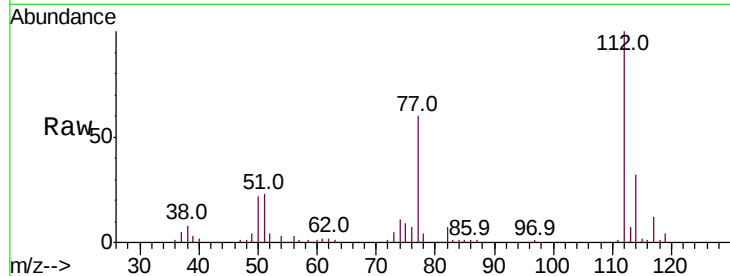
112 100

114 31.7 25.4 38.0

Manual Integrations
APPROVED

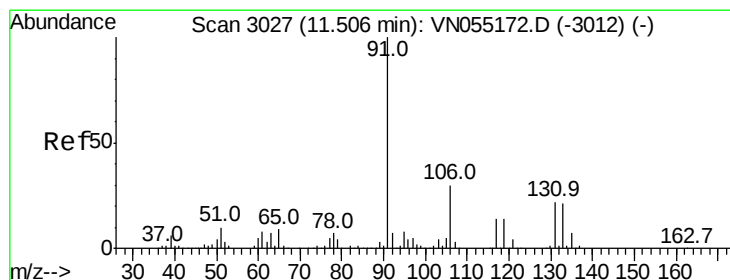
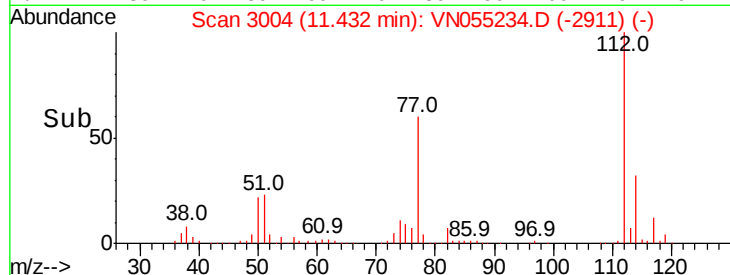
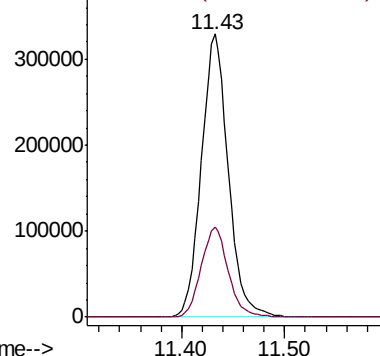
MMdadoda

4/26/2019 10:58:48 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 49.687 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN055234.D

Acq: 25 Apr 2019 9:25

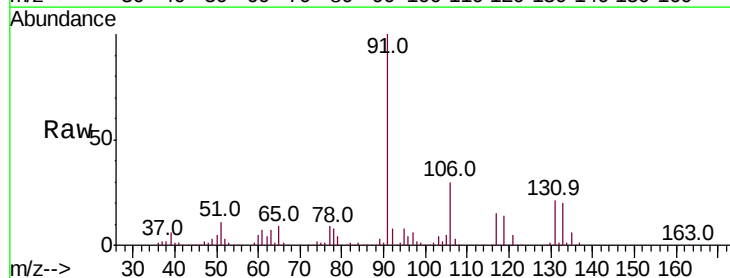
Tgt Ion:131 Resp: 226288

Ion Ratio Lower Upper

131 100

133 95.4 47.7 143.1

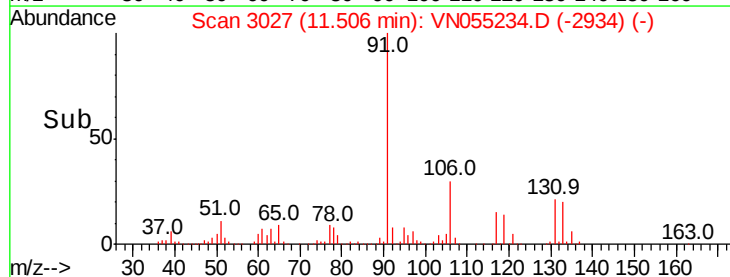
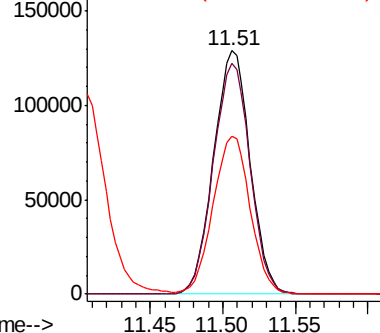
119 65.9 33.2 99.6

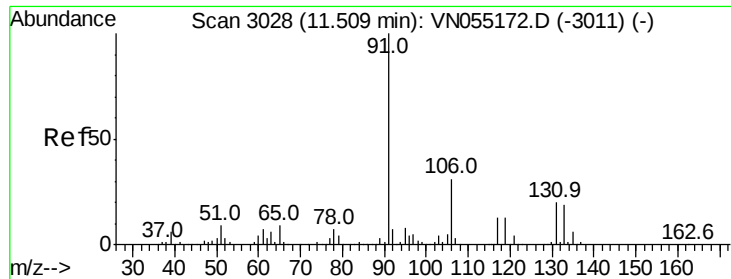


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





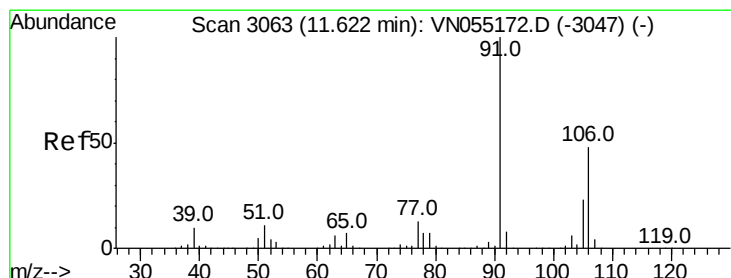
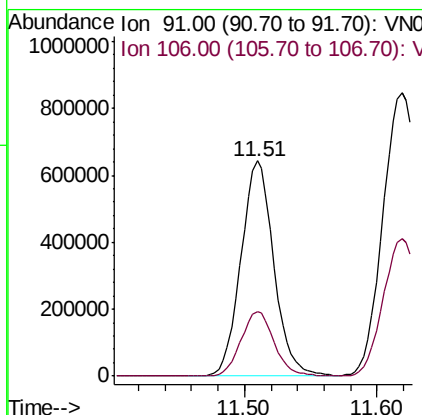
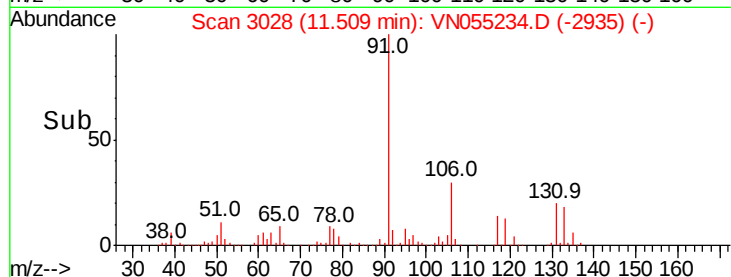
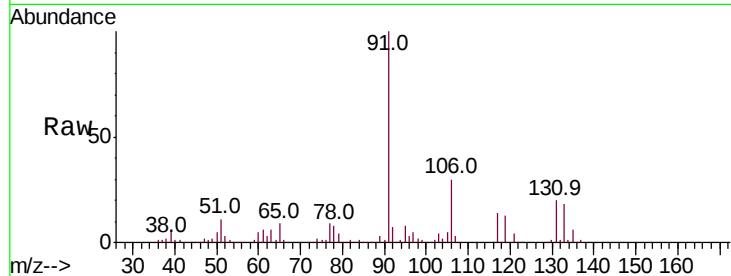
#67
Ethyl Benzene
Concen: 50.500 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055234.D
Acq: 25 Apr 2019 9:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1105383
Ion Ratio Lower Upper
91 100
106 30.1 24.5 36.7

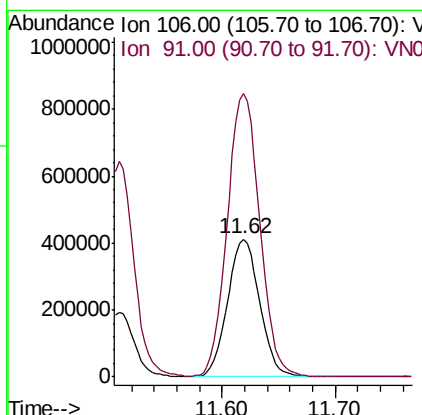
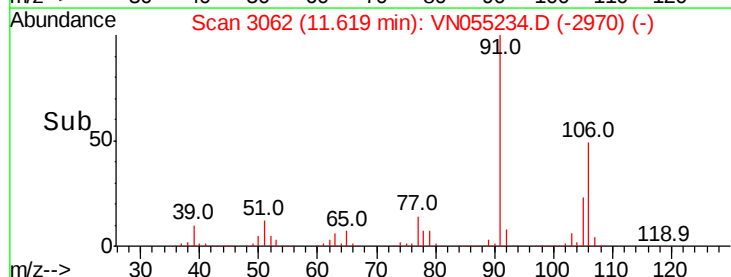
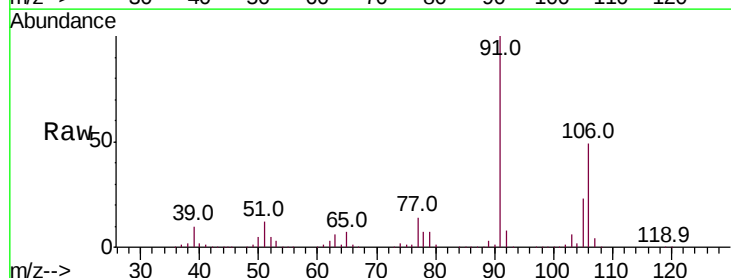
Manual Integrations
APPROVED

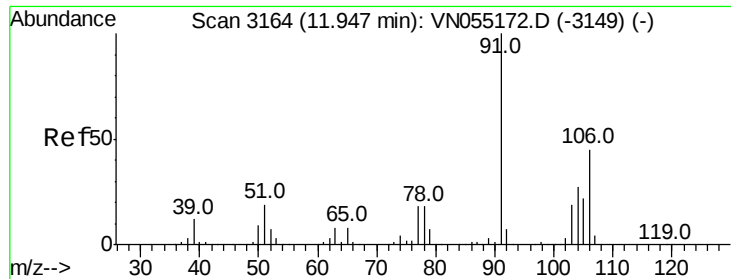
MMDadoda
4/26/2019 10:58:48 AM



#68
m/p-Xylenes
Concen: 103.819 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN055234.D
Acq: 25 Apr 2019 9:25

Tgt Ion: 106 Resp: 815041
Ion Ratio Lower Upper
106 100
91 208.0 167.1 250.7





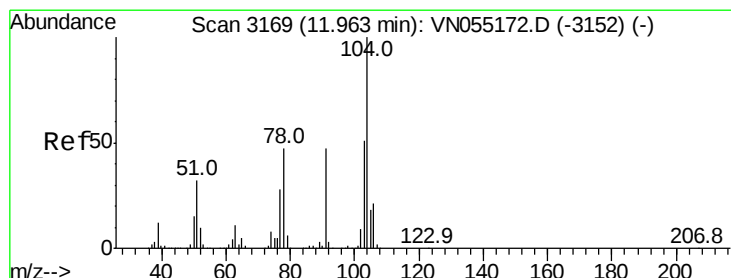
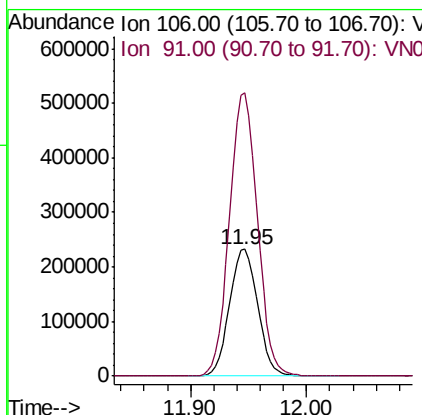
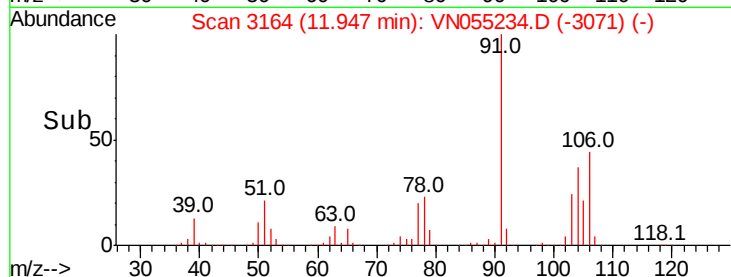
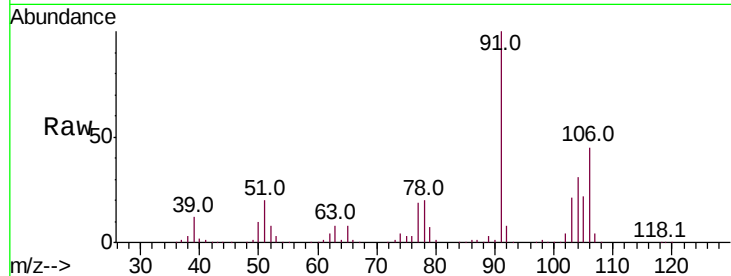
#69
o-Xylene
Concen: 50.401 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055234.D
Acq: 25 Apr 2019 9:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 392675
Ion Ratio Lower Upper
106 100
91 221.2 110.6 331.8

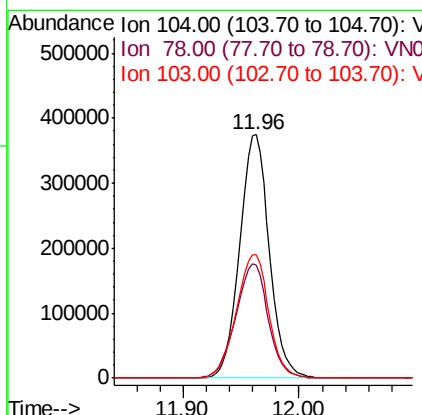
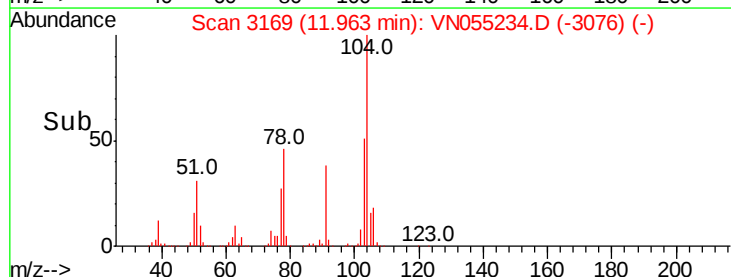
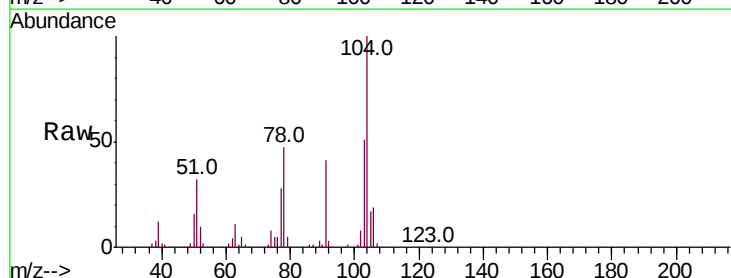
Manual Integrations
APPROVED

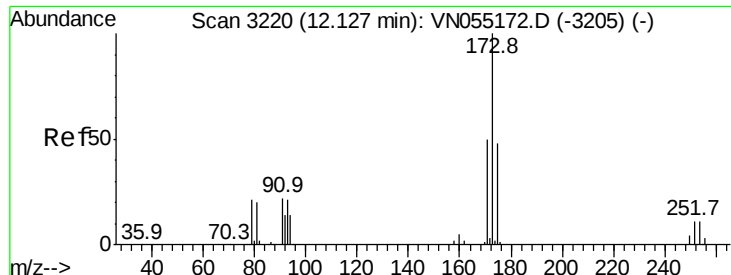
MMdadoda
4/26/2019 10:58:48 AM



#70
Styrene
Concen: 54.870 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055234.D
Acq: 25 Apr 2019 9:25

Tgt Ion:104 Resp: 662639
Ion Ratio Lower Upper
104 100
78 51.5 41.3 61.9
103 55.8 44.2 66.4





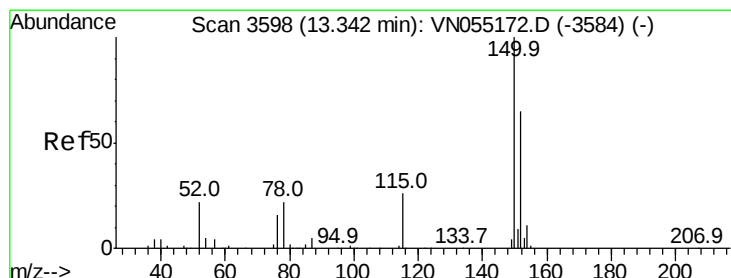
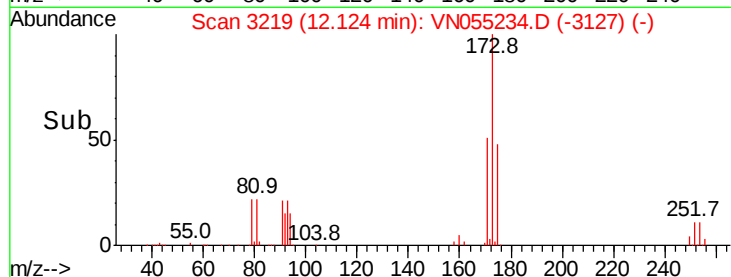
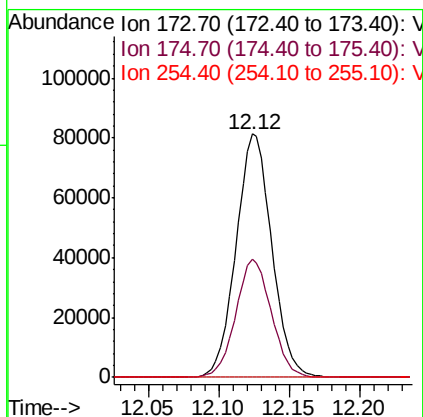
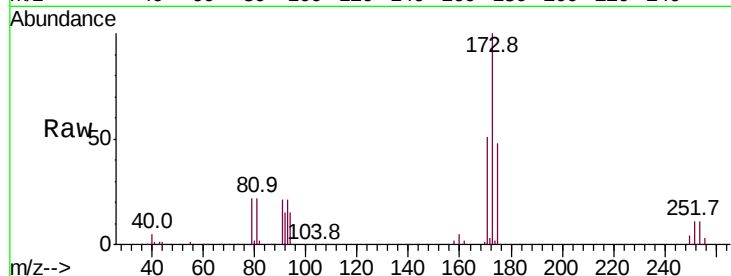
#71
Bromoform
Concen: 52.958 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. -0.00 min
Lab File: VN055234.D
Acq: 25 Apr 2019 9:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	23.8	71.2
254	0.1	0.1	0.1#

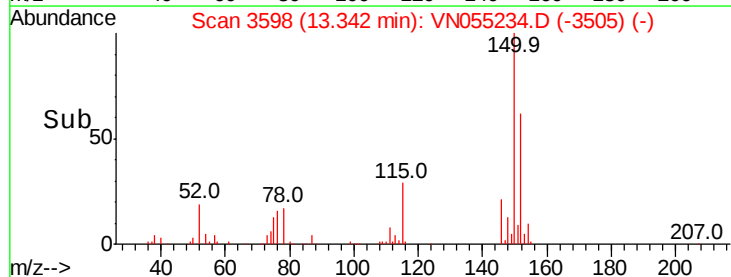
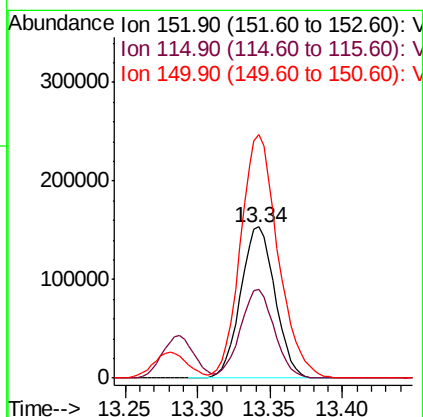
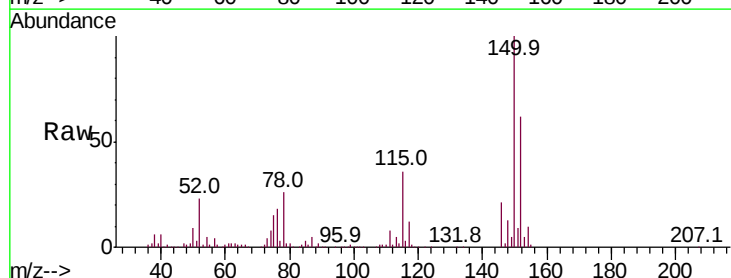
Manual Integrations
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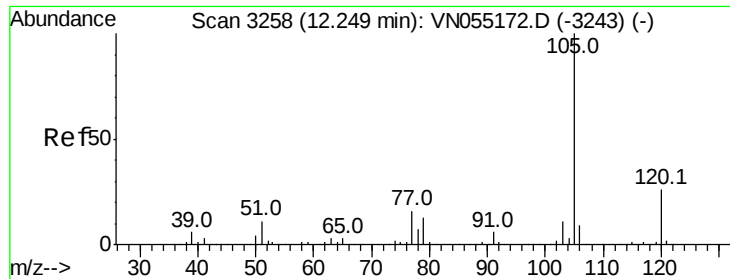
MMDadoda
4/26/2019 10:58:48 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055234.D
Acq: 25 Apr 2019 9:25

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.0	28.9	86.7
150	175.1	0.0	346.6





#73

Isopropylbenzene

Concen: 51.710 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN055234.D

Acq: 25 Apr 2019 9:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1052007

Ion Ratio Lower Upper

105 100

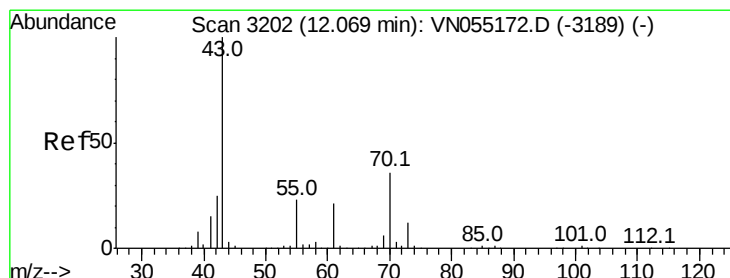
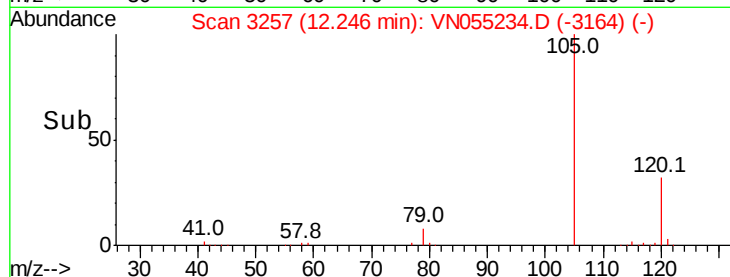
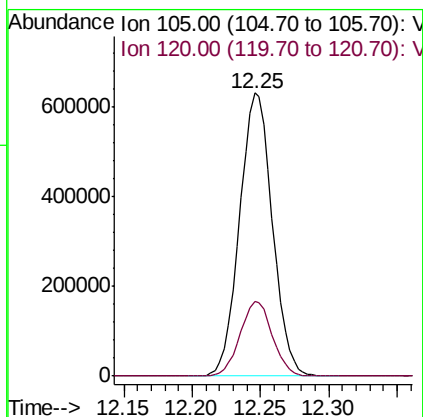
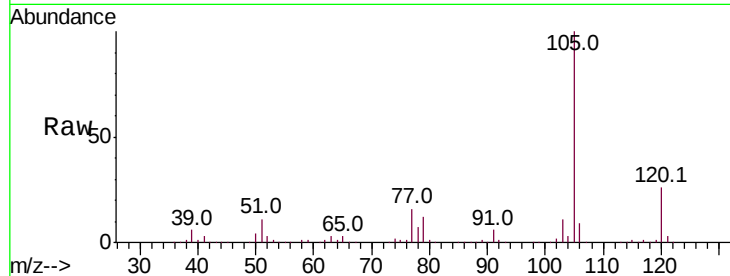
120 26.1 13.1 39.1

Manual Integrations

APPROVED

MMdadoda

4/26/2019 10:58:48 AM



#74

N-ethyl acetate

Concen: 49.351 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN055234.D

Acq: 25 Apr 2019 9:25

Tgt Ion: 43 Resp: 322638

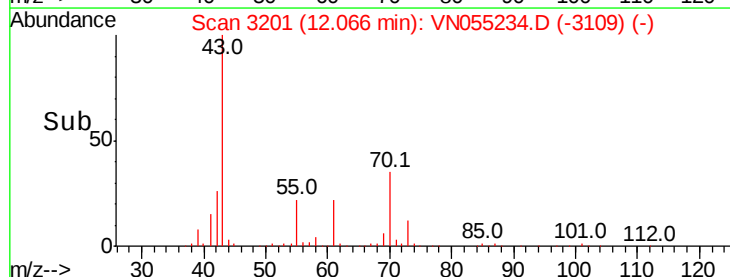
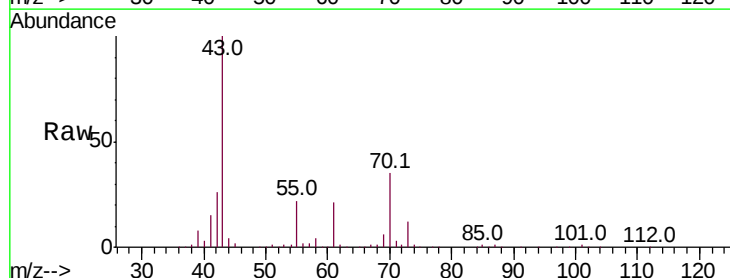
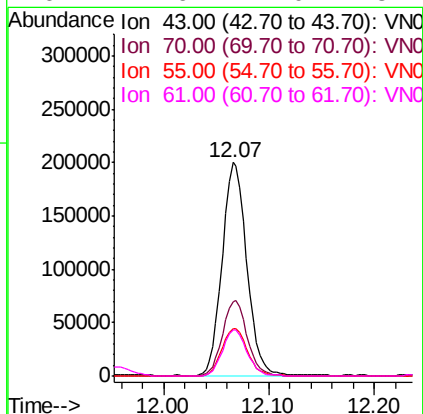
Ion Ratio Lower Upper

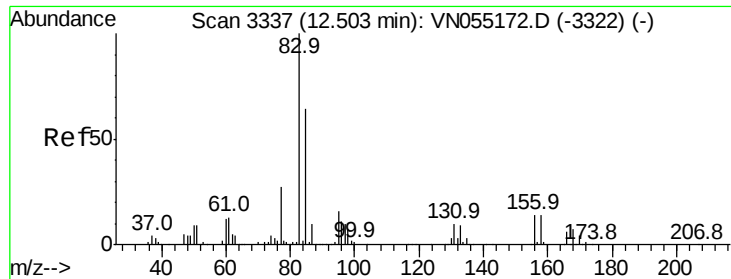
43 100

70 35.6 29.0 43.6

55 23.2 18.5 27.7

61 21.6 17.0 25.4





#75

1,1,2,2-Tetrachloroethane

Concen: 48.362 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055234.D

Acq: 25 Apr 2019 9:25

Instrument :

MSVOA_N

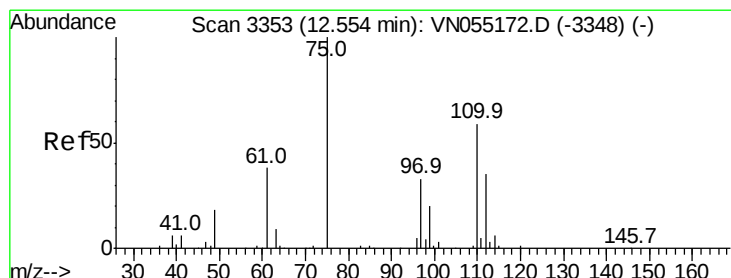
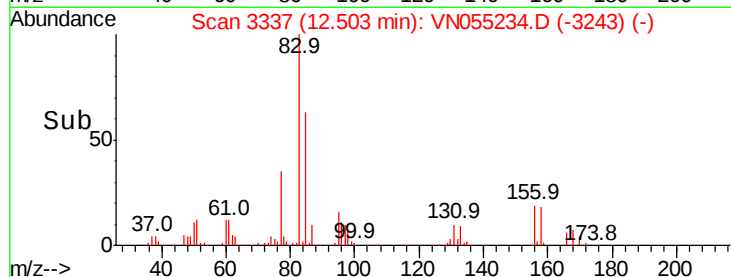
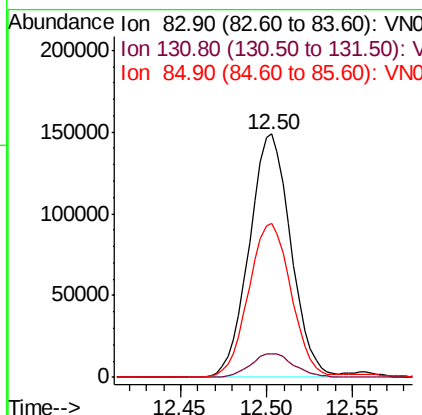
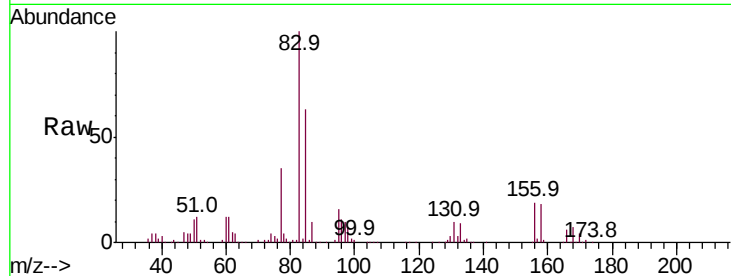
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	249785
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.0	15.0
85	64.7	32.1	96.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 44.956 ug/l m

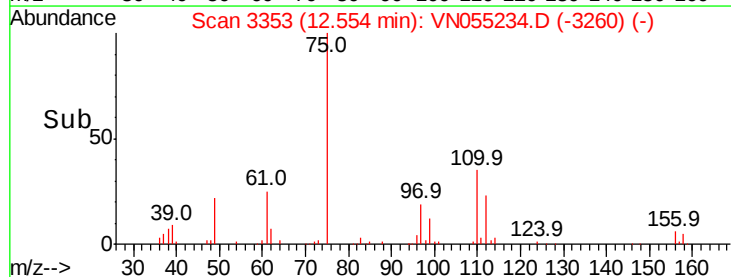
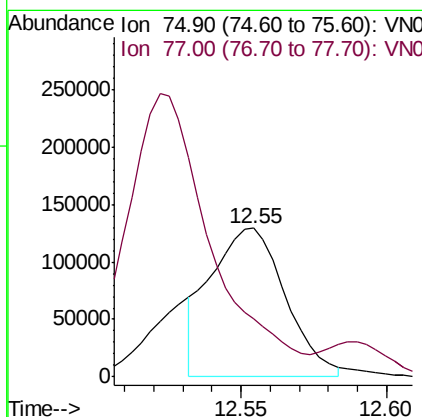
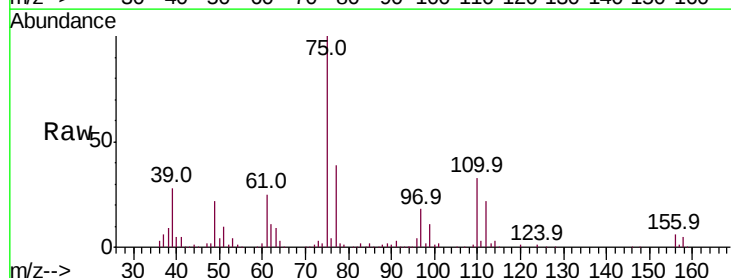
RT: 12.55 min Scan# 3353

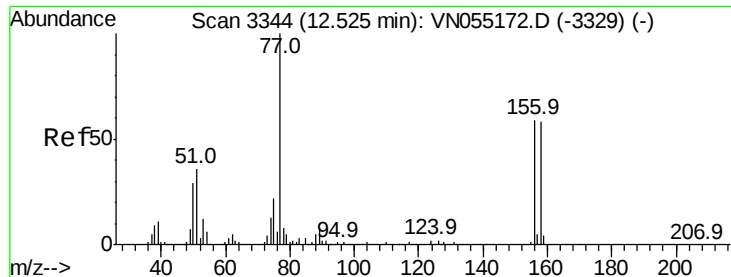
Delta R.T. 0.00 min

Lab File: VN055234.D

Acq: 25 Apr 2019 9:25

Tgt Ion:	75	Resp:	231265
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 45.449 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055234.D

Acq: 25 Apr 2019 9:25

Instrument :

MSVOA_N

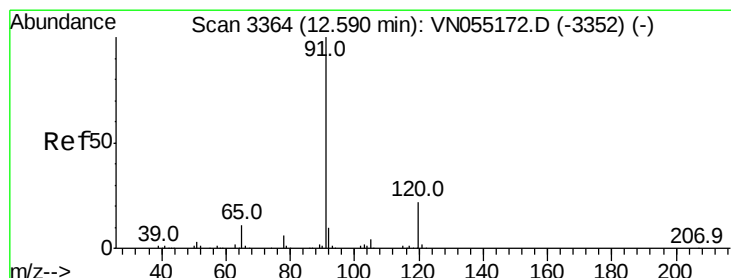
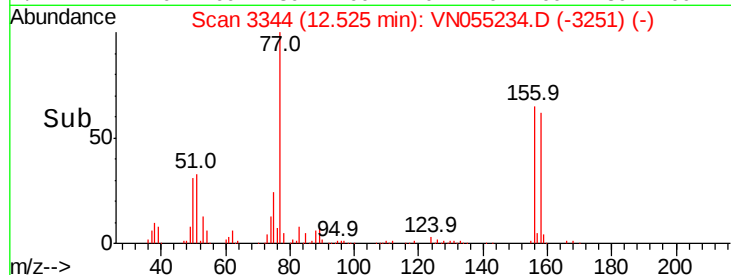
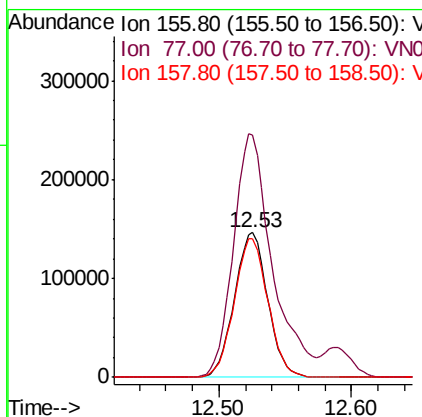
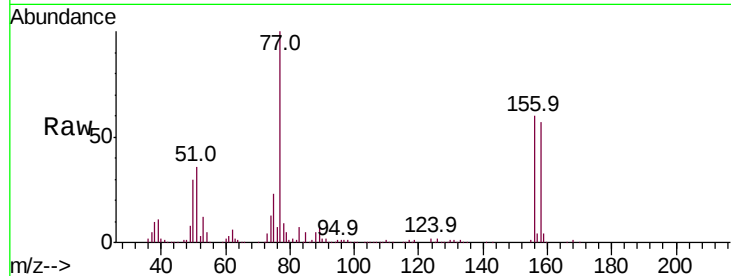
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	254420
Ion Ratio	Lower	Upper	
156	100		
77	197.2	98.0	293.9
158	97.3	48.9	146.8

Manual Integrations
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#78

n-propylbenzene

Concen: 46.798 ug/l

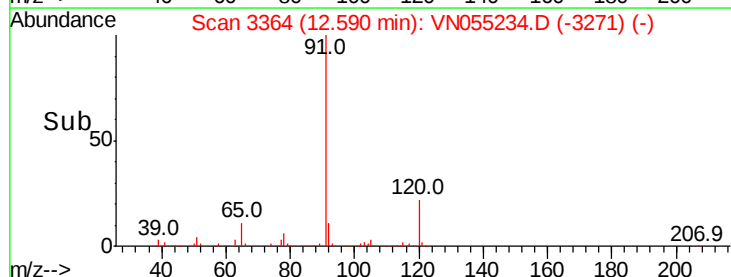
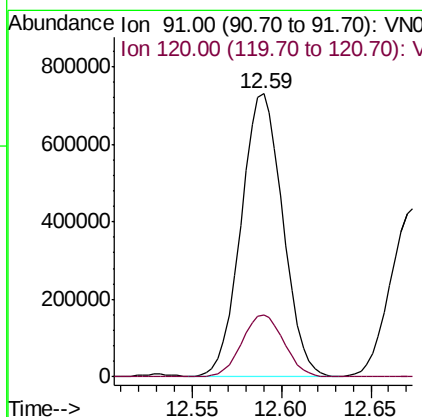
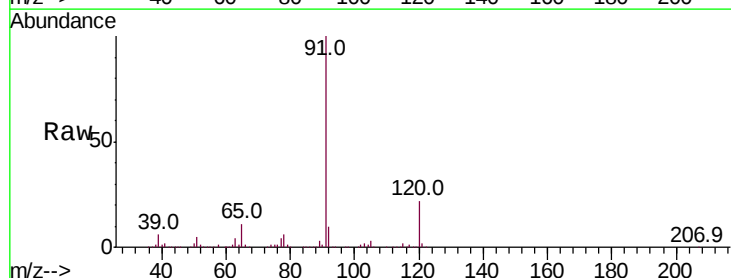
RT: 12.59 min Scan# 3364

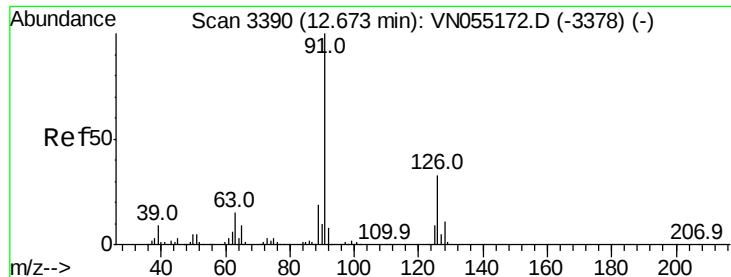
Delta R.T. 0.00 min

Lab File: VN055234.D

Acq: 25 Apr 2019 9:25

Tgt Ion:	91	Resp:	1190058
Ion Ratio	Lower	Upper	
91	100		
120	22.2	11.3	33.9





#79

2-Chlorotoluene

Concen: 45.078 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055234.D

Acq: 25 Apr 2019 9:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 723855

Ion Ratio Lower Upper

91 100

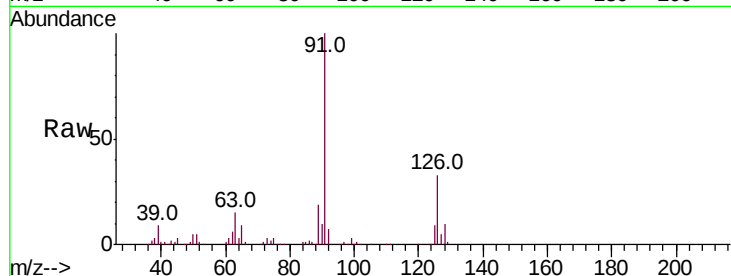
126 33.5 16.8 50.3

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN055172.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN055172.D (-3378) (-)

800000

600000

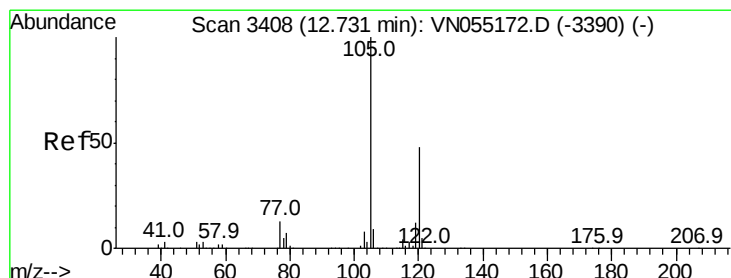
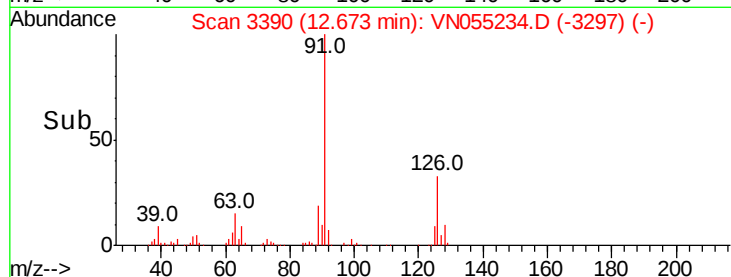
400000

200000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 46.584 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055234.D

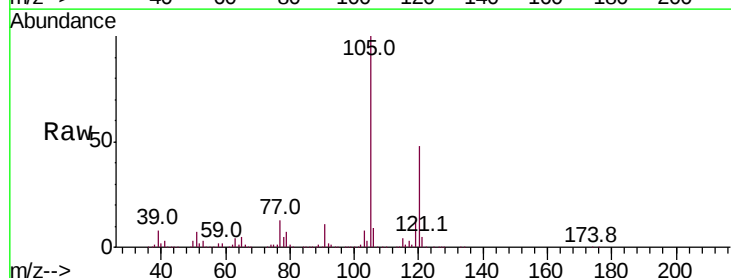
Acq: 25 Apr 2019 9:25

Tgt Ion:105 Resp: 884276

Ion Ratio Lower Upper

105 100

120 47.7 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VN055172.D (-3390) (-)

Ion 120.00 (119.70 to 120.70): VN055172.D (-3390) (-)

600000

500000

400000

300000

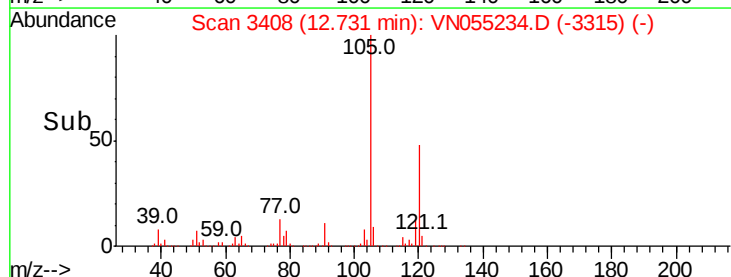
200000

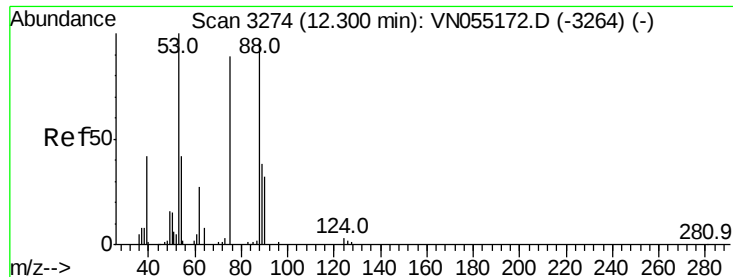
100000

0

12.65 12.70 12.75 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 46.948 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN055234.D

Acq: 25 Apr 2019 9:25

Instrument :

MSVOA_N

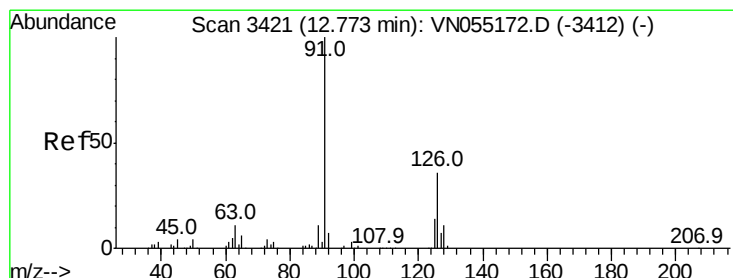
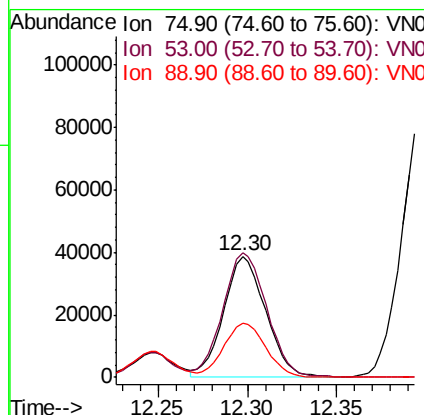
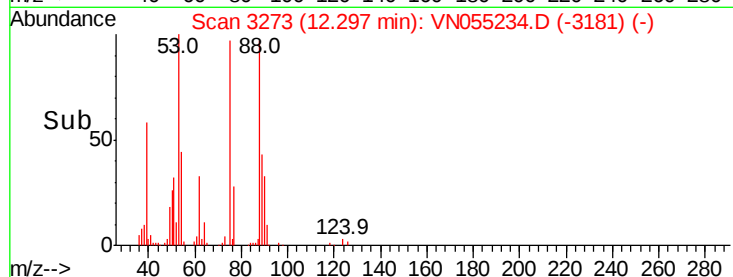
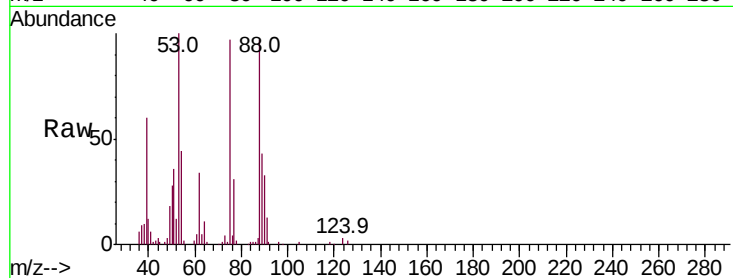
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	63710
Ion	Ratio	Lower	Upper
75	100		
53	107.5	90.1	135.1
89	44.9	36.7	55.1

Manual Integrations
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#82

4-Chlorotoluene

Concen: 47.960 ug/l

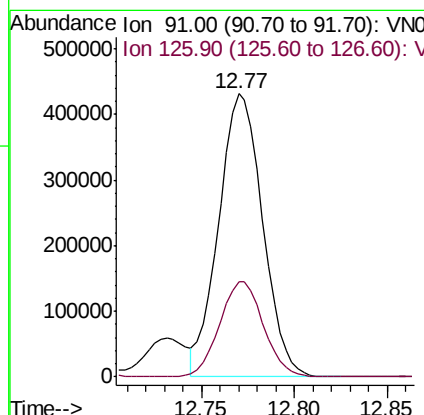
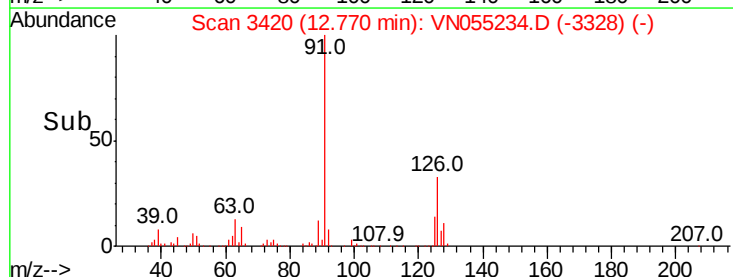
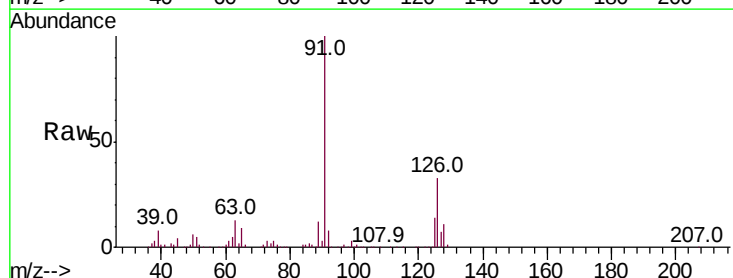
RT: 12.77 min Scan# 3420

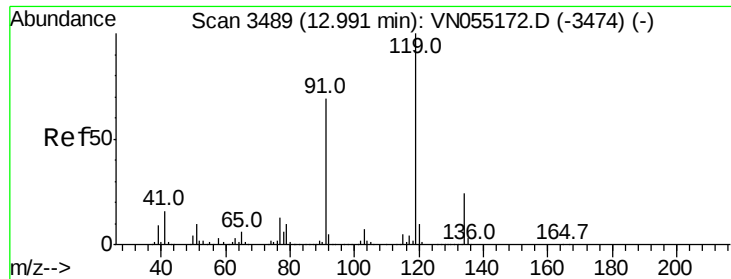
Delta R.T. -0.00 min

Lab File: VN055234.D

Acq: 25 Apr 2019 9:25

Tgt Ion:	91	Resp:	708557
Ion	Ratio	Lower	Upper
91	100		
126	33.6	16.5	49.5





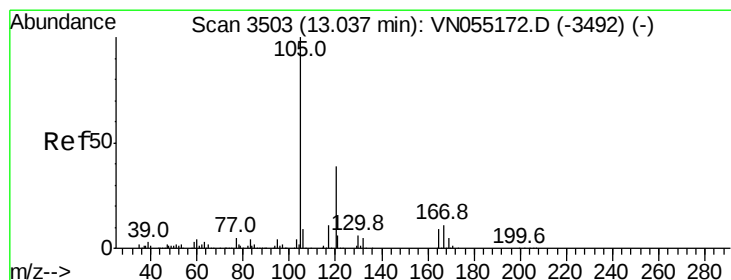
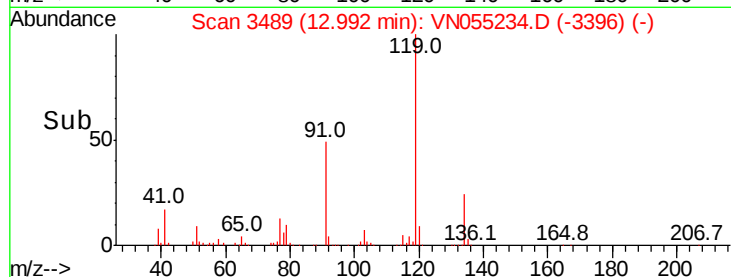
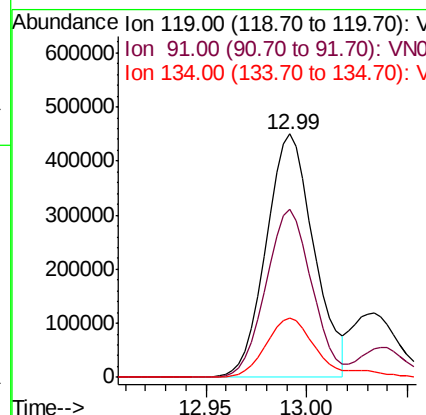
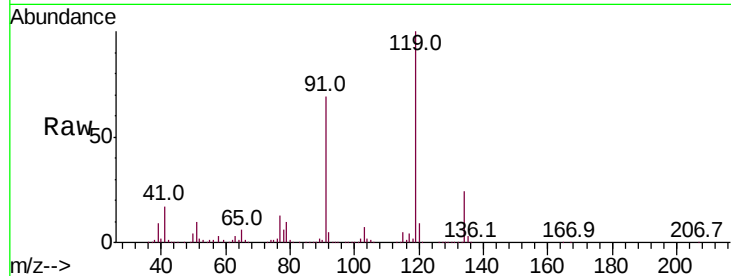
#83
 tert-Butylbenzene
 Concen: 52.115 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN055234.D
 Acq: 25 Apr 2019 9:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.0	33.8	101.3
134	26.3	13.2	39.5

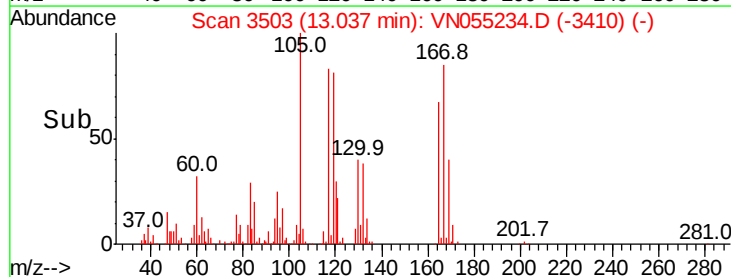
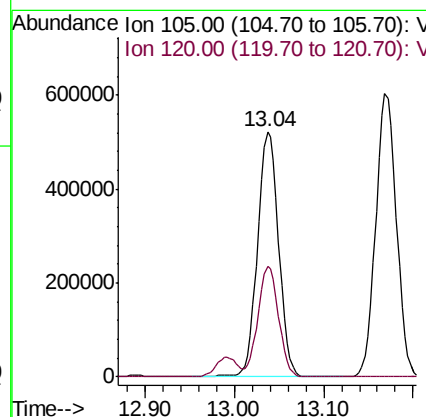
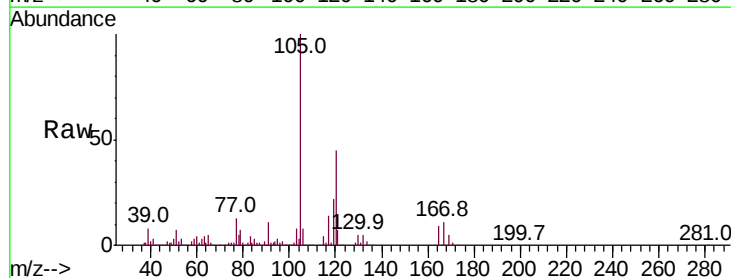
Manual Integrations
 APPROVED

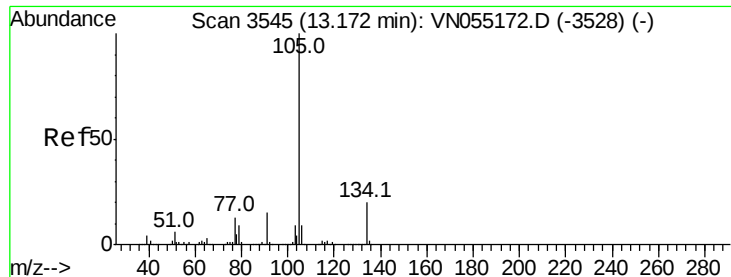
MMDadoda
 4/26/2019 10:58:48 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 48.060 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN055234.D
 Acq: 25 Apr 2019 9:25

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.6	22.7	68.1





#85

sec-Butylbenzene

Concen: 44.977 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN055234.D

Acq: 25 Apr 2019 9:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 965875

Ion Ratio Lower Upper

105 100

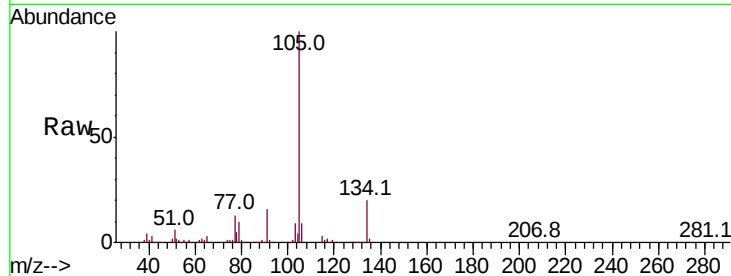
134 20.2 10.0 30.0

Manual Integrations

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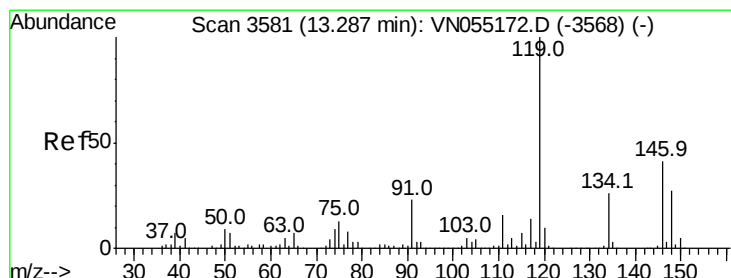
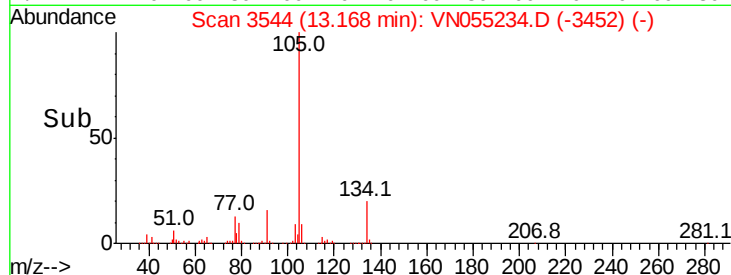
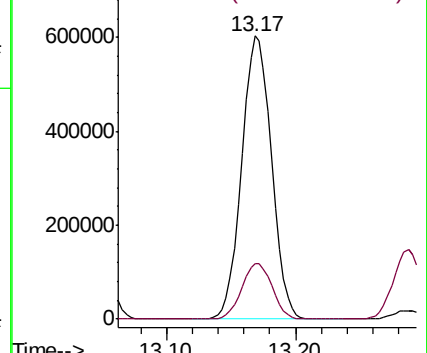
MMdadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 48.232 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055234.D

Acq: 25 Apr 2019 9:25

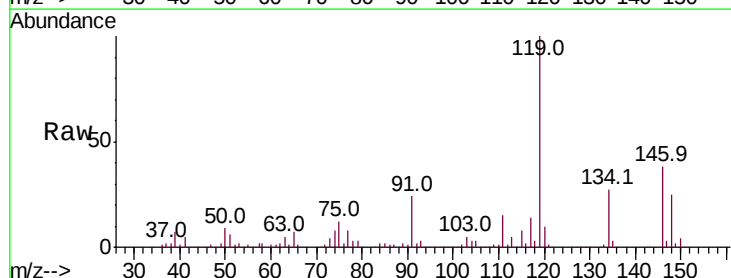
Tgt Ion:119 Resp: 853346

Ion Ratio Lower Upper

119 100

134 26.5 13.1 39.3

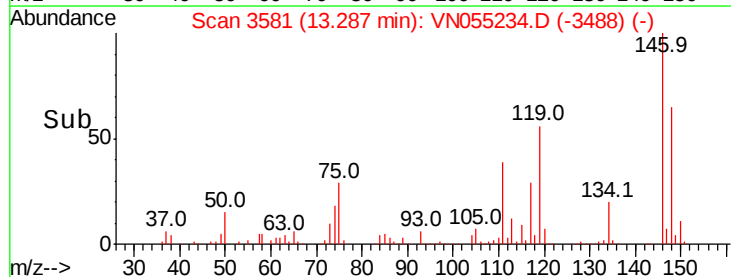
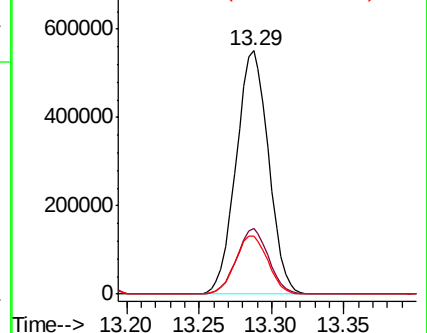
91 24.0 11.8 35.3

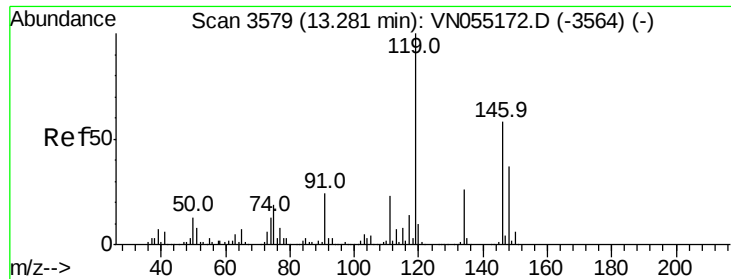


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 49.486 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN055234.D

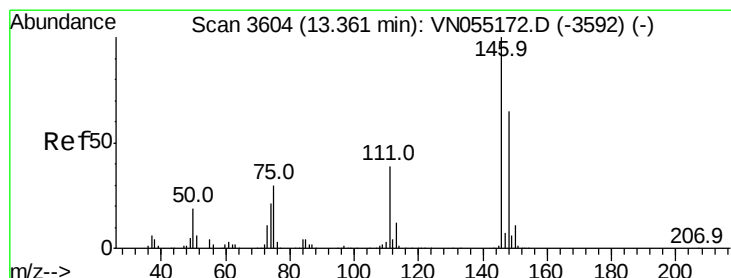
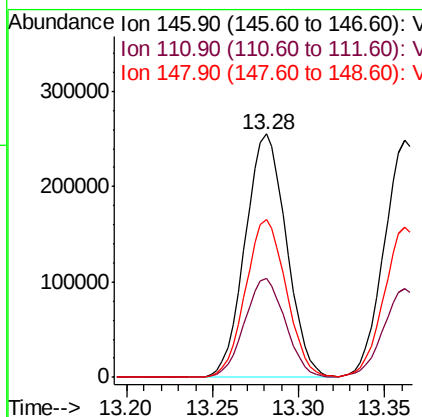
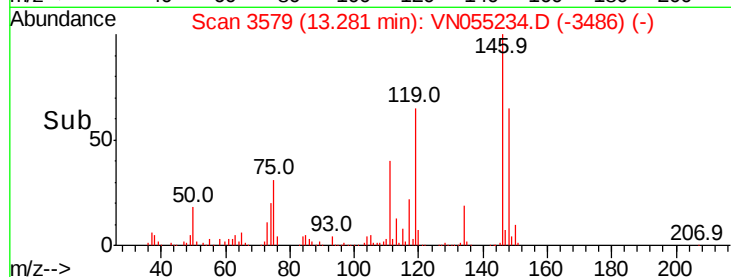
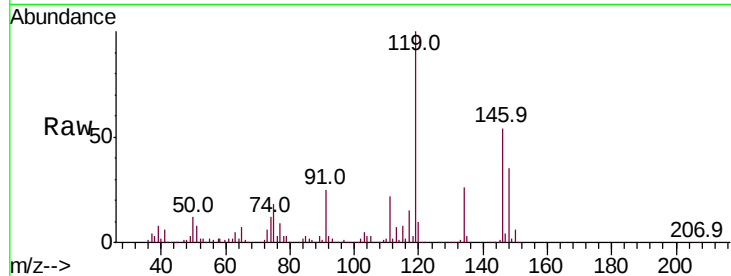
Acq: 25 Apr 2019 9:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	425255		
111	40.0	19.7	59.1	
148	64.3	32.0	96.0	

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 49.163 ug/l

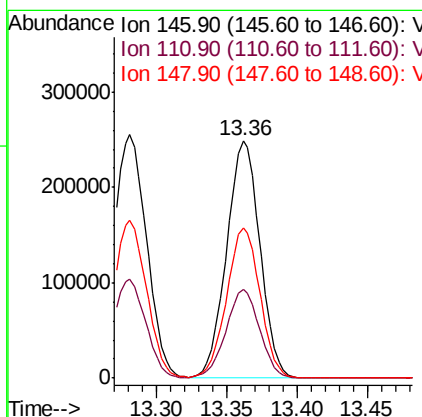
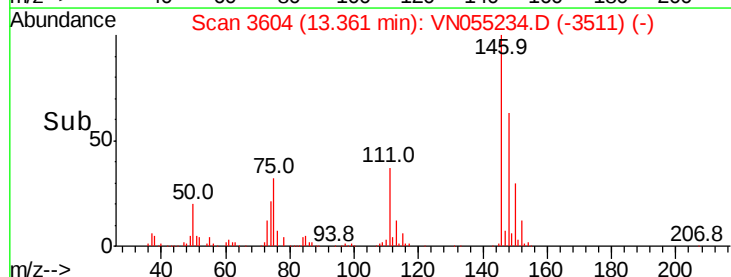
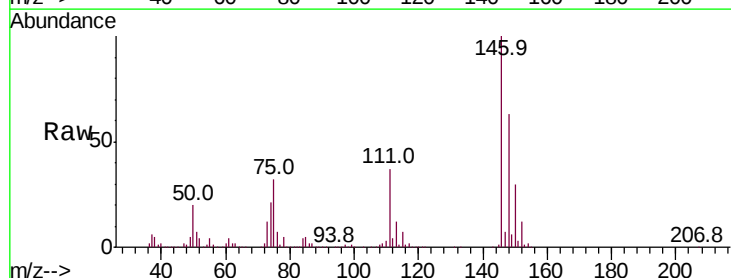
RT: 13.36 min Scan# 3604

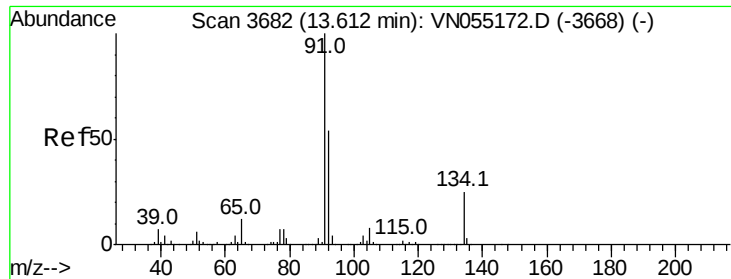
Delta R.T. 0.00 min

Lab File: VN055234.D

Acq: 25 Apr 2019 9:25

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	411324		
111	37.9	19.4	58.2	
148	63.6	32.9	98.6	





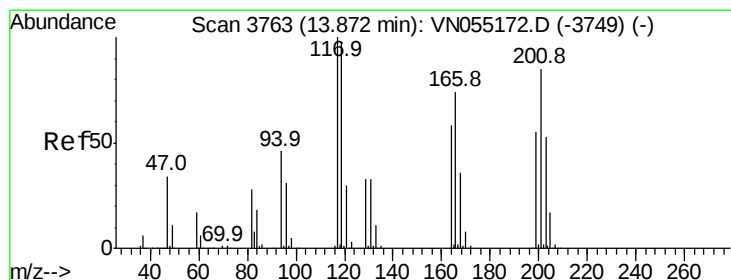
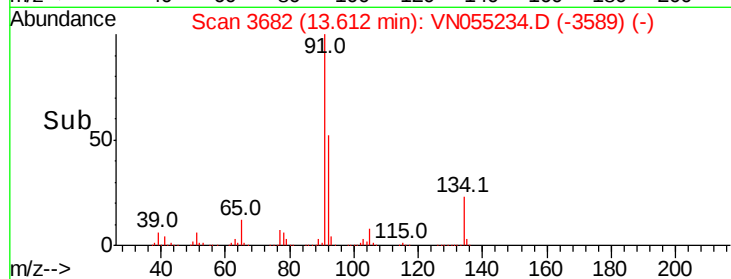
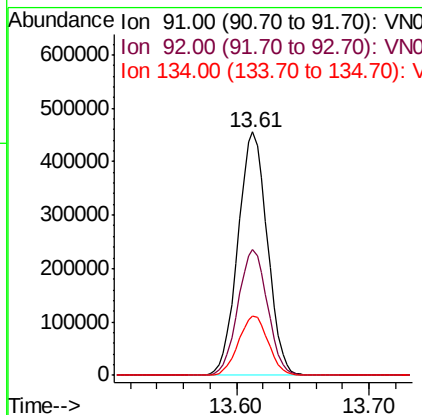
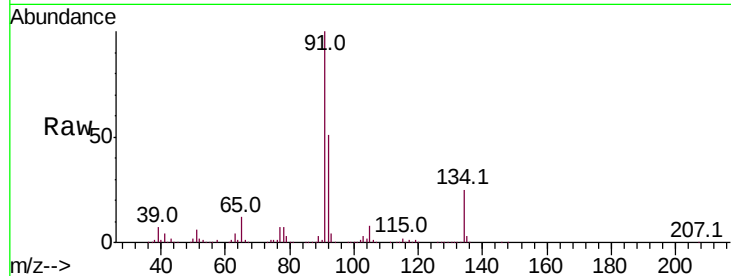
#89
n-Butylbenzene
Concen: 53.423 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055234.D
Acq: 25 Apr 2019 9:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.9	26.4	79.2
134	24.9	12.8	38.4

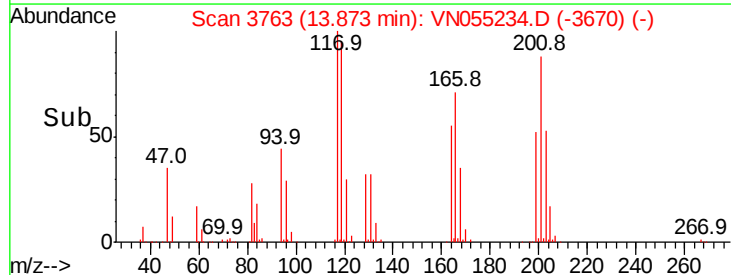
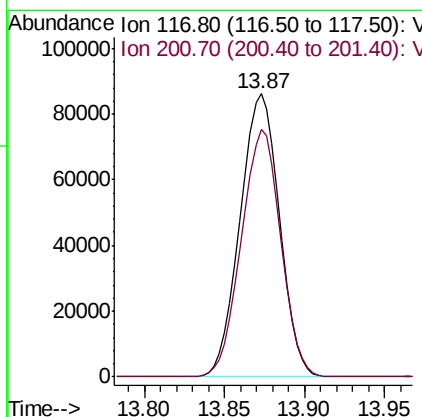
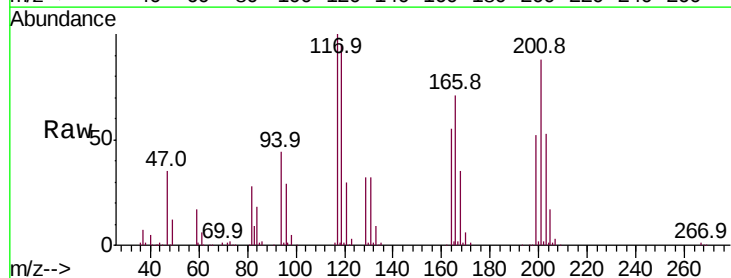
Manual Integrations
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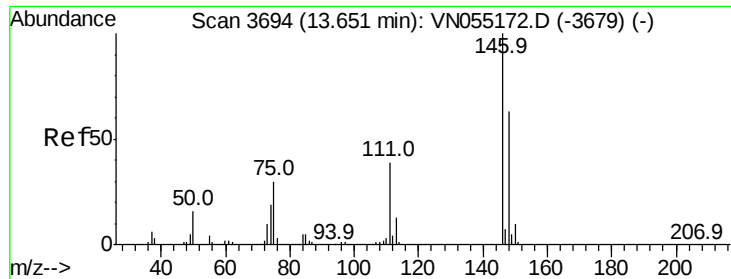
MMDadoda
4/26/2019 10:58:48 AM



#90
Hexachloroethane
Concen: 46.128 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055234.D
Acq: 25 Apr 2019 9:25

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.4	43.1	129.4





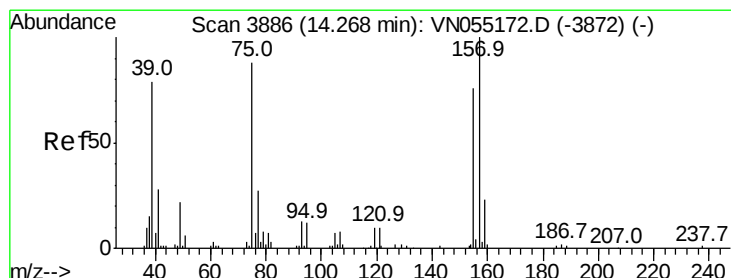
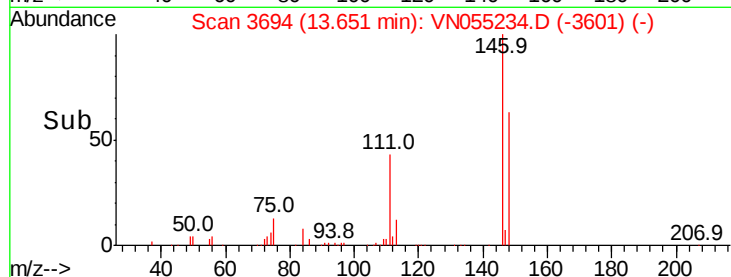
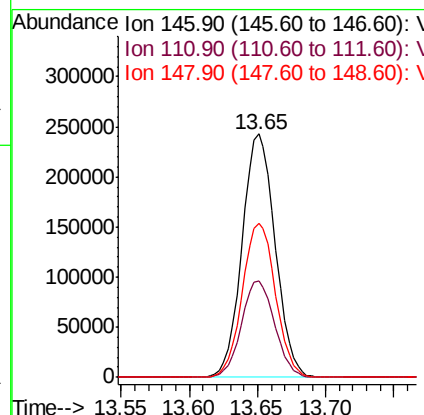
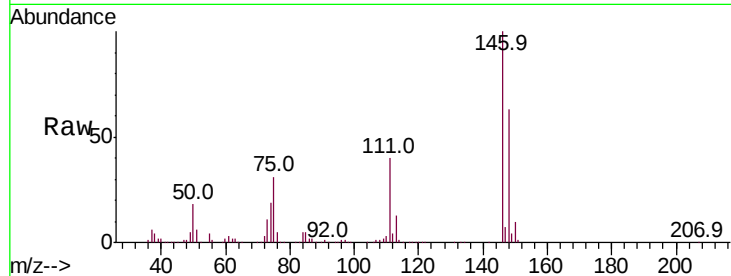
#91
 1,2-Dichlorobenzene
 Concen: 46.078 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN055234.D
 Acq: 25 Apr 2019 9:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	19.8	59.3
148	63.7	31.7	95.1

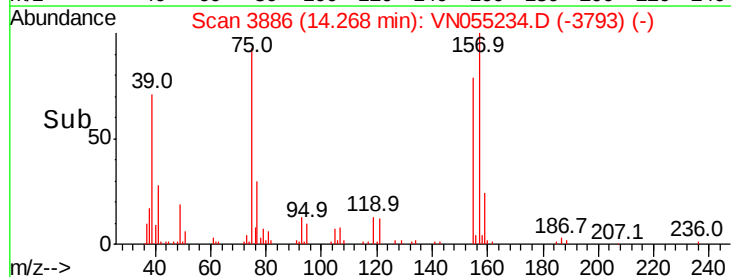
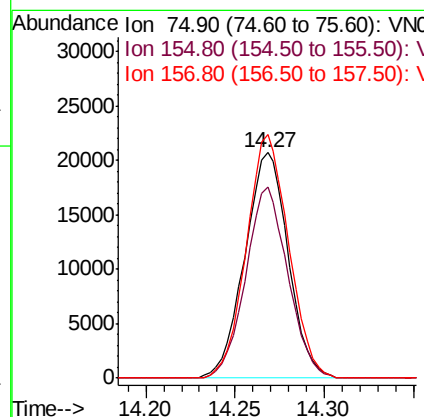
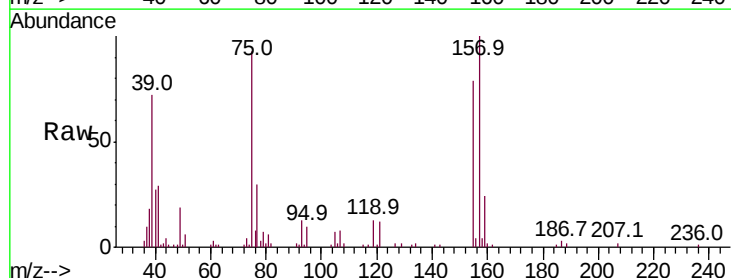
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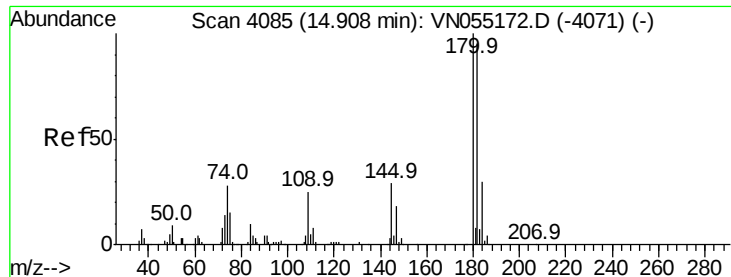
MMdadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.703 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055234.D
 Acq: 25 Apr 2019 9:25

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.3	43.0	129.0
157	105.0	55.7	167.1





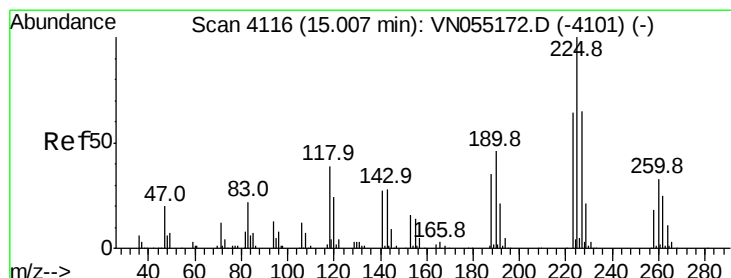
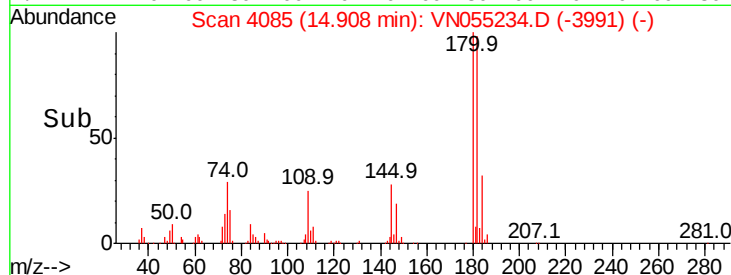
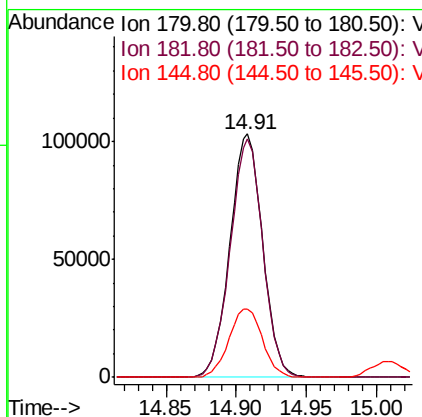
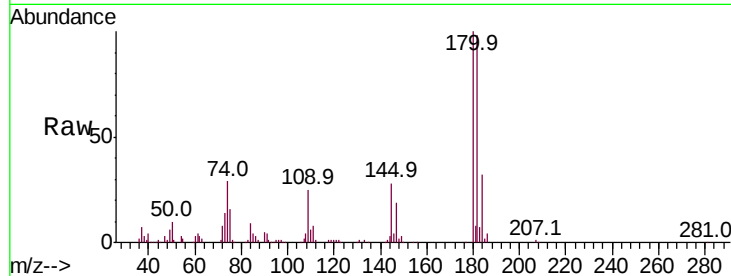
#93
 1,2,4-Trichlorobenzene
 Concen: 45.176 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055234.D
 Acq: 25 Apr 2019 9:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	167418		
182	97.5	47.8	143.4	
145	28.9	14.5	43.5	

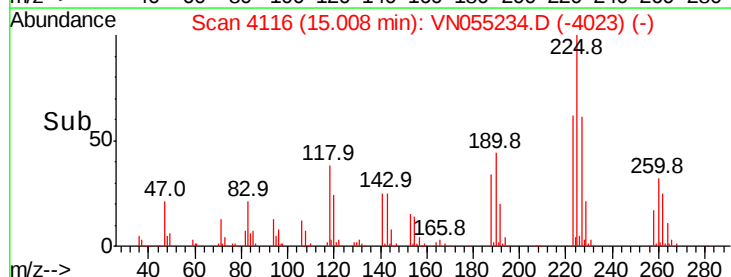
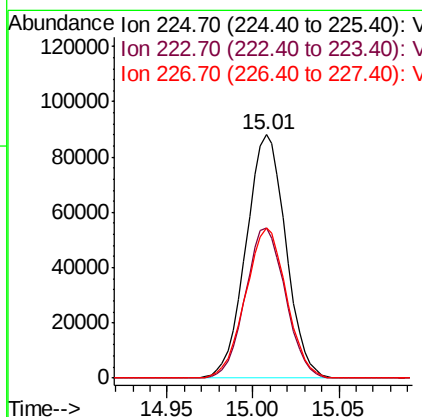
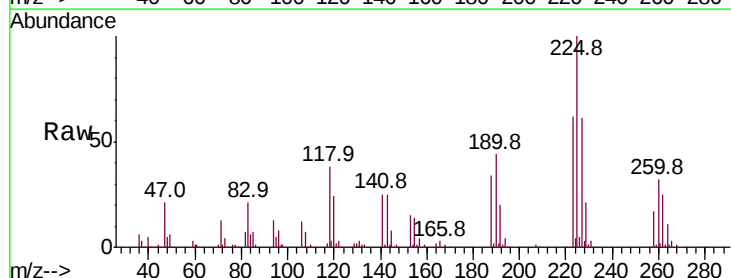
Manual Integrations
 APPROVED

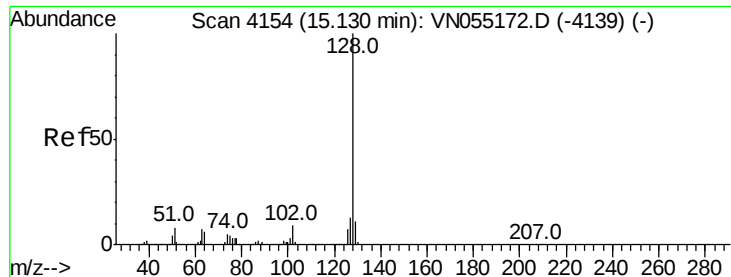
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 4/26/2019 10:58:48 AM



#94
 Hexachlorobutadiene
 Concen: 55.315 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055234.D
 Acq: 25 Apr 2019 9:25

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	141491		
223	62.0	32.2	96.6	
227	63.4	32.6	98.0	





#95

Naphthalene

Concen: 41.369 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055234.D

Acq: 25 Apr 2019 9:25

Instrument :

MSVOA_N

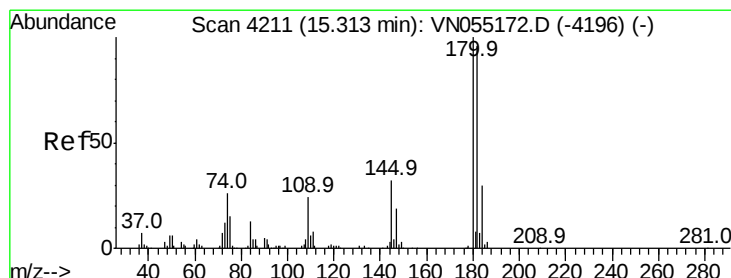
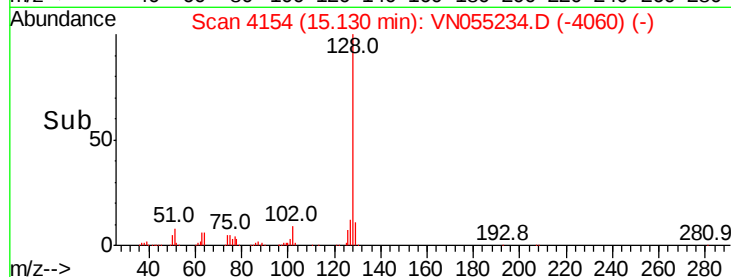
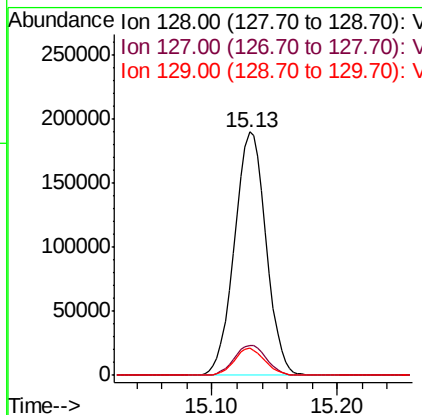
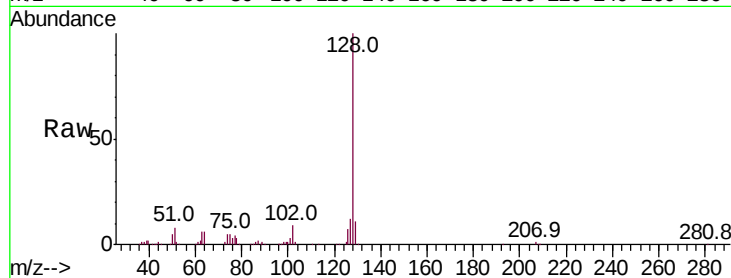
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	332106
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.3	15.5
129	10.9	8.8	13.2

Manual Integrations
APPROVED

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#96

1,2,3-Trichlorobenzene

Concen: 44.887 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055234.D

Acq: 25 Apr 2019 9:25

Tgt Ion:	180	Resp:	165394
Ion Ratio	Lower	Upper	
180	100		
182	95.5	47.2	141.6
145	31.2	15.4	46.1

