

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082919\
 Data File : VN057551.D
 Acq On : 29 Aug 2019 15:48
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 9/3/2019 2:38:41 AM

Quant Time: Aug 29 17:39:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N082919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 29 17:26:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	412805	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	653016	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	559013	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	188866	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	33082	4.65	ug/l	0.00
Spiked Amount			Recovery	=	9.30%	
35) Dibromofluoromethane	7.58	113	30156	6.43	ug/l	0.00
Spiked Amount			Recovery	=	12.86%	
50) Toluene-d8	10.08	98	92029	5.17	ug/l	0.00
Spiked Amount			Recovery	=	10.34%	
62) 4-Bromofluorobenzene	12.40	95	31031	5.14	ug/l	0.00
Spiked Amount			Recovery	=	10.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	22971	4.766	ug/l	95
3) Chloromethane	2.06	50	24333	3.684	ug/l	97
4) Vinyl Chloride	2.18	62	36149	4.399	ug/l	100
5) Bromomethane	2.55	94	33253	6.155	ug/l	98
6) Chloroethane	2.69	64	24721	4.634	ug/l	98
7) Trichlorofluoromethane	3.01	101	75479	5.631	ug/l	97
8) Diethyl Ether	3.40	74	26772	5.420	ug/l	63
9) 1,1,2-Trichlorotrifluoroet	3.74	101	45420	6.033	ug/l #	83
10) Methyl Iodide	3.93	142	69410	9.869	ug/l	95
11) Tert butyl alcohol	4.81	59	19279m	22.435	ug/l	
12) 1,1-Dichloroethene	3.72	96	41063	5.672	ug/l #	76
13) Acrolein	3.59	56	17352	23.270	ug/l	95
14) Allyl chloride	4.30	41	31574	3.295	ug/l #	85
15) Acrylonitrile	4.98	53	42456	18.321	ug/l	98
16) Acetone	3.81	43	76555	22.281	ug/l	94
17) Carbon Disulfide	4.02	76	53974	4.127	ug/l	96
18) Methyl Acetate	4.31	43	26209	3.227	ug/l #	85
19) Methyl tert-butyl Ether	5.03	73	75655	4.497	ug/l	100
20) Methylene Chloride	4.53	84	27029	4.998	ug/l #	83
21) trans-1,2-Dichloroethene	5.01	96	26097	5.221	ug/l #	77
22) Diisopropyl ether	5.94	45	66015	3.492	ug/l #	85
23) Vinyl Acetate	5.88	43	268395	18.085	ug/l #	89
24) 1,1-Dichloroethane	5.82	63	45729	4.437	ug/l	99
25) 2-Butanone	6.83	43	55975	16.374	ug/l #	84
26) 2,2-Dichloropropane	6.81	77	45432	4.945	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	31496	5.293	ug/l	83
28) Bromochloromethane	7.18	49	19558	3.677	ug/l #	57
29) Tetrahydrofuran	7.21	42	34365	15.396	ug/l #	74
30) Chloroform	7.36	83	54571	4.940	ug/l	97
31) Cyclohexane	7.64	56	46879	4.812	ug/l #	72
32) 1,1,1-Trichloroethane	7.55	97	47428	5.131	ug/l	95
36) 1,1-Dichloropropene	7.78	75	35624	5.205	ug/l #	82
37) Ethyl Acetate	6.93	43	22016	3.481	ug/l #	88
38) Carbon Tetrachloride	7.76	117	40495	5.775	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	45688	5.566	ug/l	90
40) Benzene	8.03	78	109421	5.315	ug/l	99
41) Methacrylonitrile	7.16	41	11503	3.845	ug/l #	79
42) 1,2-Dichloroethane	8.11	62	39269	5.022	ug/l	97
43) Isopropyl Acetate	8.16	43	42870	3.675	ug/l #	90
44) Trichloroethene	8.82	130	30679	6.430	ug/l	86
45) 1,2-Dichloropropane	9.11	63	24724	4.388	ug/l	97
46) Dibromomethane	9.20	93	19475	5.229	ug/l #	81
47) Bromodichloromethane	9.40	83	40093	5.204	ug/l	98
48) Methyl methacrylate	9.20	41	21886	3.969	ug/l #	85
49) 1,4-Dioxane	9.19	88	7876	104.325	ug/l #	78
51) 4-Methyl-2-Pentanone	9.98	43	122231	18.866	ug/l	92
52) Toluene	10.15	92	67215	5.516	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	37359	4.667	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	40738	4.590	ug/l #	88
55) 1,1,2-Trichloroethane	10.56	97	26192	5.341	ug/l	98
56) Ethyl methacrylate	10.43	69	34422	4.634	ug/l #	86
57) 1,3-Dichloropropane	10.70	76	42825	5.143	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.69	63	37726	21.480	ug/l #	84
59) 2-Hexanone	10.75	43	79015	17.746	ug/l	83
60) Dibromochloromethane	10.90	129	27933	5.272	ug/l	100
61) 1,2-Dibromoethane	11.00	107	26147	5.382	ug/l	97
64) Tetrachloroethene	10.63	164	30658	7.294	ug/l	93
65) Chlorobenzene	11.43	112	70654	5.928	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	27618	6.009	ug/l	97
67) Ethyl Benzene	11.51	91	125999	5.564	ug/l	99
68) m/p-Xylenes	11.62	106	91245	11.594	ug/l	90
69) o-Xylene	11.95	106	45628	5.878	ug/l	92
70) Styrene	11.96	104	65124	5.291	ug/l	98
71) Bromoform	12.13	173	16877	5.406	ug/l #	97
73) Isopropylbenzene	12.25	105	119399	5.654	ug/l	95
74) N-amyl acetate	12.07	43	30626	3.388	ug/l #	82
75) 1,1,2,2-Tetrachloroethane	12.51	83	28715	4.741	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	29241m	6.244	ug/l	
77) Bromobenzene	12.53	156	26440	6.164	ug/l	81
78) n-propylbenzene	12.59	91	117170	5.269	ug/l	94
79) 2-Chlorotoluene	12.68	91	69295	5.229	ug/l	94
80) 1,3,5-Trimethylbenzene	12.73	105	92278	5.517	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	7073	3.973	ug/l #	87
82) 4-Chlorotoluene	12.77	91	62759	4.955	ug/l	91
83) tert-Butylbenzene	12.99	119	89466	5.986	ug/l	92
84) 1,2,4-Trimethylbenzene	13.04	105	79628	5.366	ug/l	99
85) sec-Butylbenzene	13.17	105	100306	5.507	ug/l	100
86) p-Isopropyltoluene	13.29	119	84475	5.619	ug/l	97
87) 1,3-Dichlorobenzene	13.29	146	33209	5.268	ug/l	96
88) 1,4-Dichlorobenzene	13.37	146	32868	5.348	ug/l	96
89) n-Butylbenzene	13.62	91	60947	4.894	ug/l	98
90) Hexachloroethane	13.88	117	17012	4.996	ug/l	86
91) 1,2-Dichlorobenzene	13.66	146	29919	4.976	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.27	75	4079	4.184	ug/l	78

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VSTDICC005

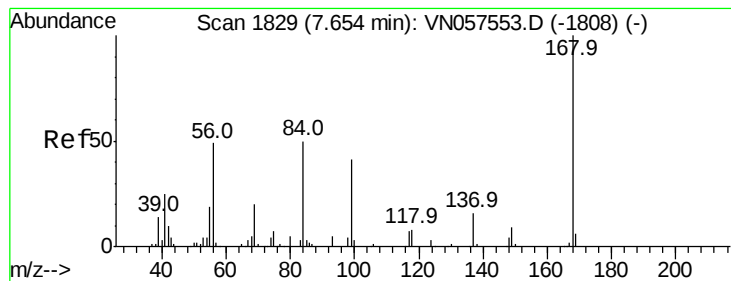
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	8402	3.821	ug/l	98
94) Hexachlorobutadiene	15.01	225	12393	6.610	ug/l	94
95) Naphthalene	15.13	128	25915	3.636	ug/l	98
96) 1,2,3-Trichlorobenzene	15.30	180	8426	3.698	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN057551.D

Acq: 29 Aug 2019 15:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 412805

Ion Ratio Lower Upper

168 100

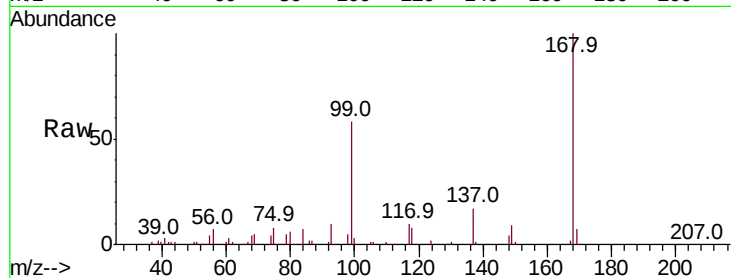
99 57.9 50.6 76.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

200000 Ion 98.90 (98.60 to 99.60): VNO

7.65

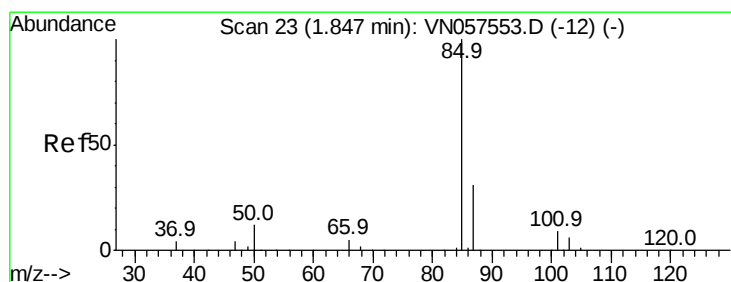
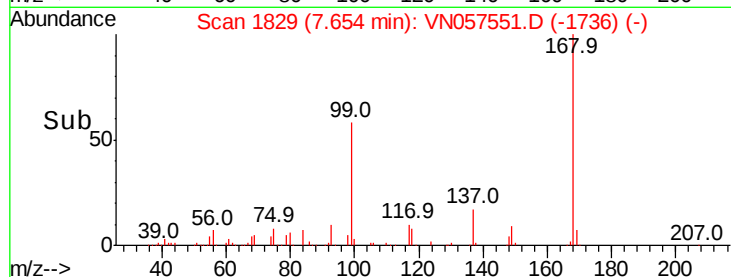
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 4.766 ug/l

RT: 1.85 min Scan# 23

Delta R.T. -0.00 min

Lab File: VN057551.D

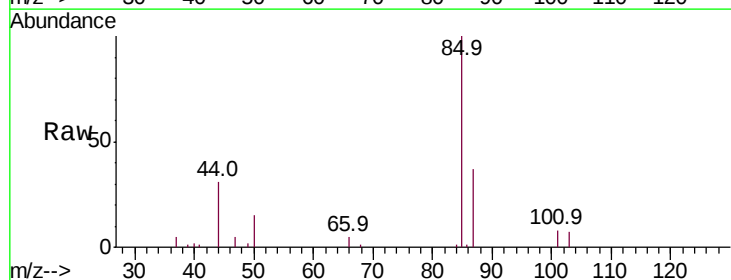
Acq: 29 Aug 2019 15:48

Tgt Ion: 85 Resp: 22971

Ion Ratio Lower Upper

85 100

87 36.9 17.1 51.2



Abundance Ion 84.90 (84.60 to 85.60): VNO

20000 Ion 86.90 (86.60 to 87.60): VNO

1.85

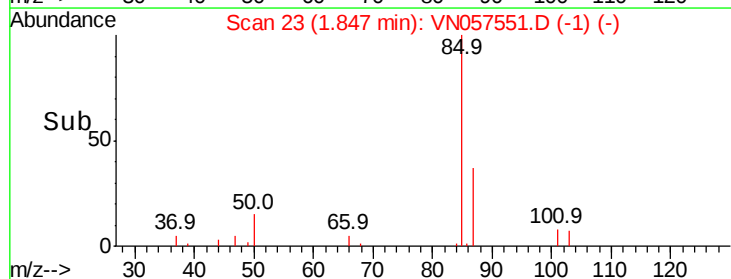
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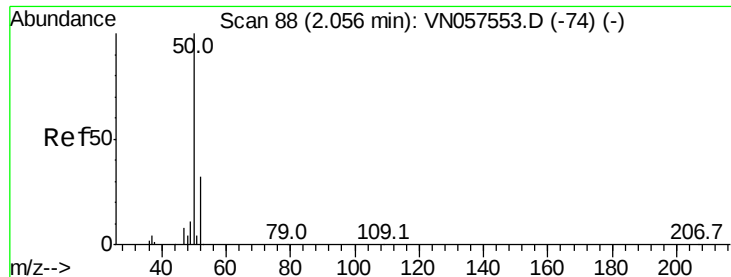
10000

5000

0

Time-->





#3

Chloromethane

Concen: 3.684 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN057551.D

Acq: 29 Aug 2019 15:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 24333

Ion Ratio Lower Upper

50 100

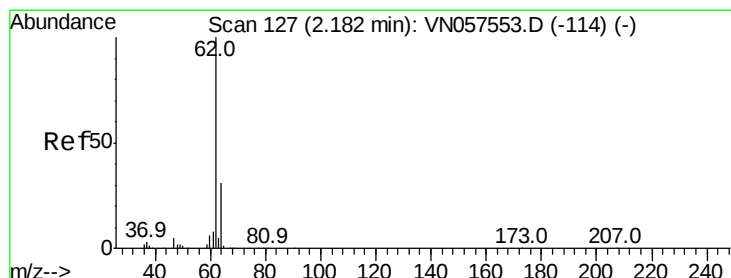
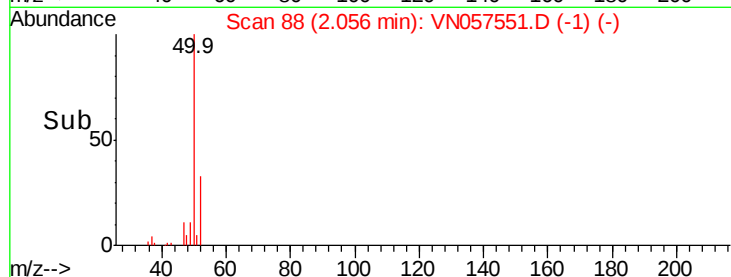
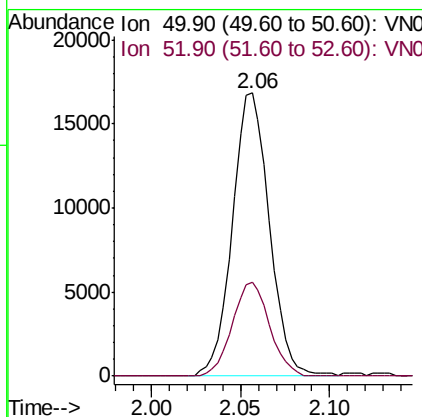
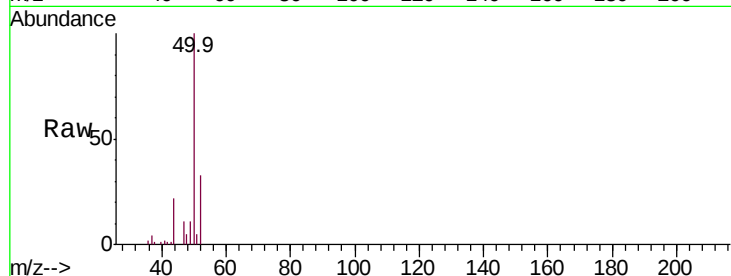
52 33.2 25.1 37.7

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#4

Vinyl Chloride

Concen: 4.399 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN057551.D

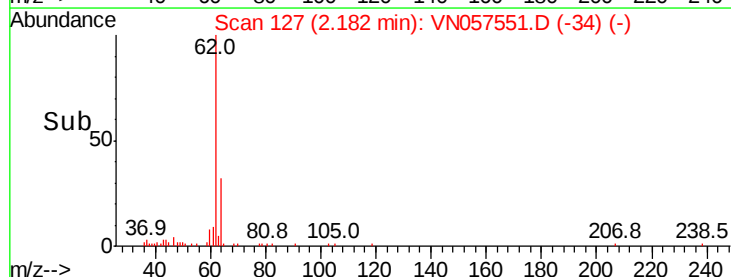
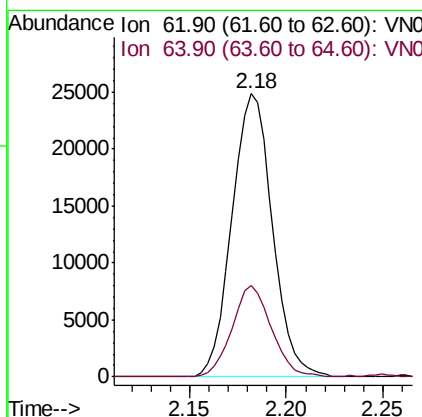
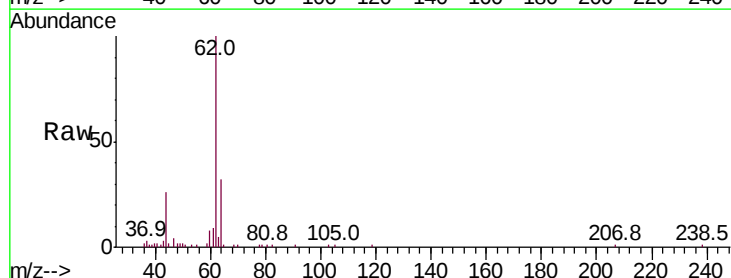
Acq: 29 Aug 2019 15:48

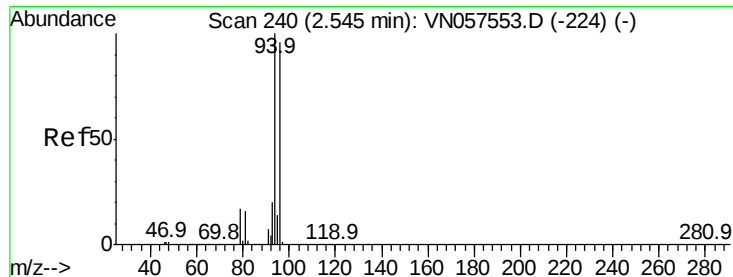
Tgt Ion: 62 Resp: 36149

Ion Ratio Lower Upper

62 100

64 32.2 25.8 38.8





#5

Bromomethane

Concen: 6.155 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VN057551.D

Acq: 29 Aug 2019 15:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 33253

Ion Ratio Lower Upper

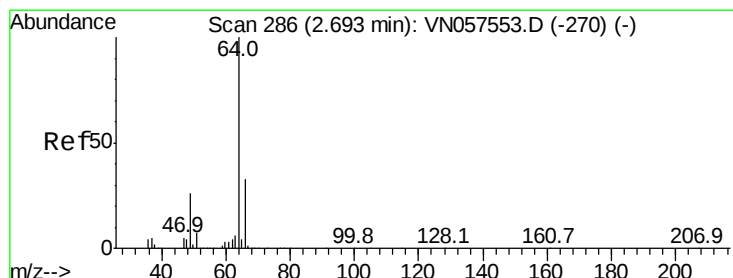
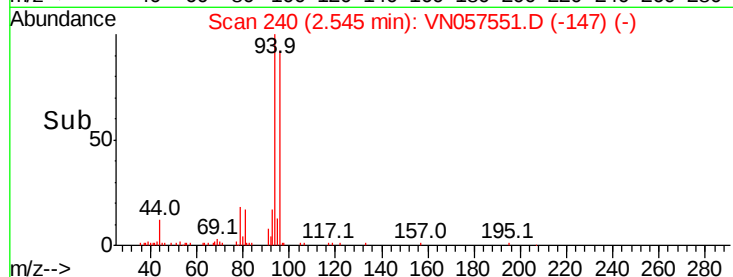
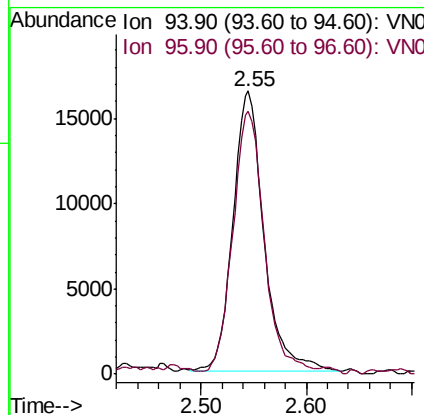
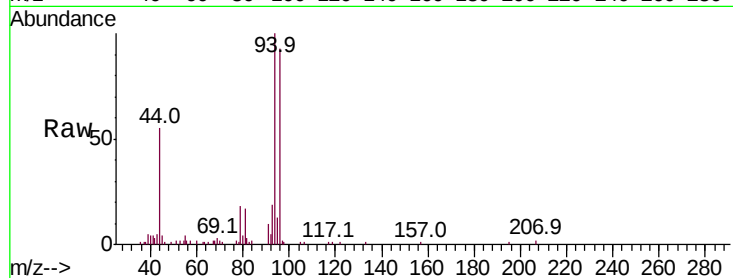
94 100

96 93.0 76.2 114.4

Manual Integrations
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#6

Chloroethane

Concen: 4.634 ug/l

RT: 2.69 min Scan# 286

Delta R.T. -0.00 min

Lab File: VN057551.D

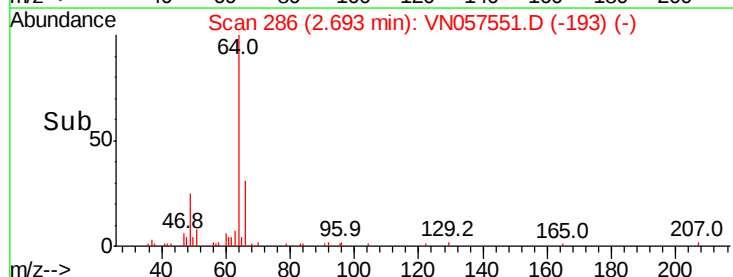
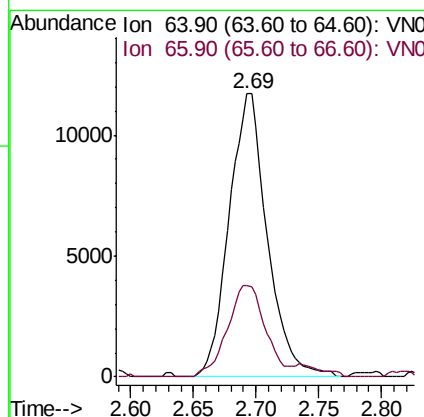
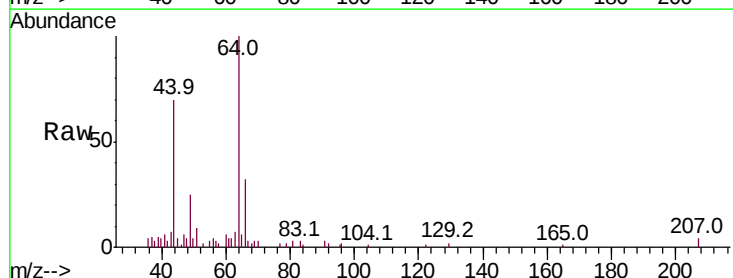
Acq: 29 Aug 2019 15:48

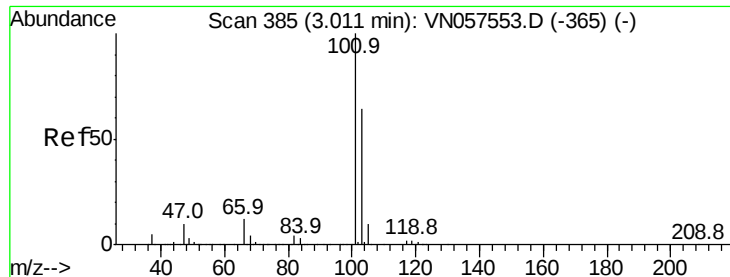
Tgt Ion: 64 Resp: 24721

Ion Ratio Lower Upper

64 100

66 32.4 26.8 40.2





#7

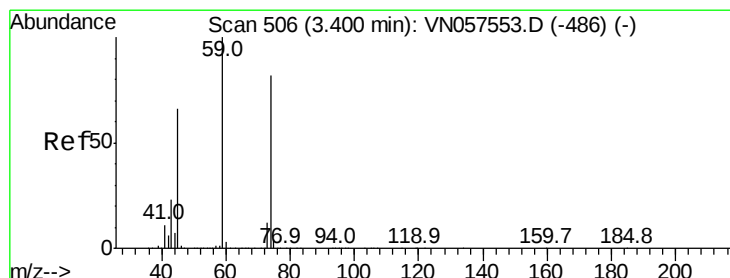
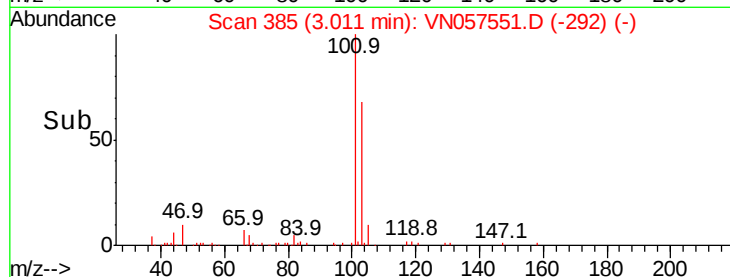
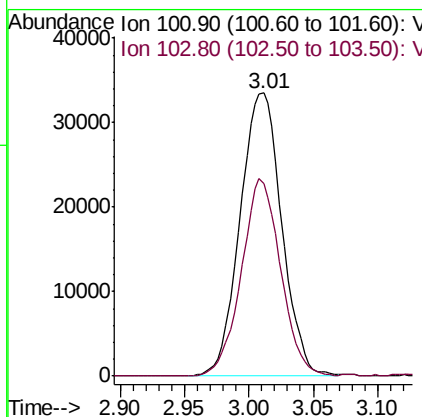
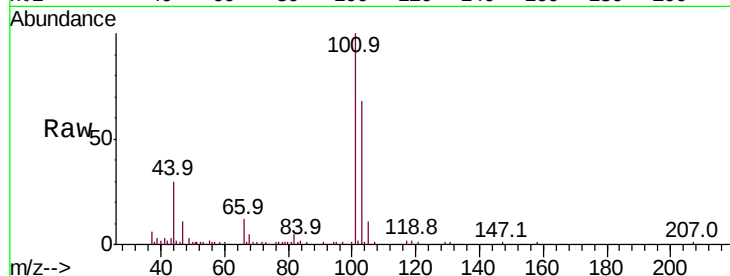
Trichlorofluoromethane
 Concen: 5.631 ug/l
 RT: 3.01 min Scan# 385
 Delta R.T. -0.00 min
 Lab File: VN057551.D
 Acq: 29 Aug 2019 15:48

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 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	68.2	52.6	78.8

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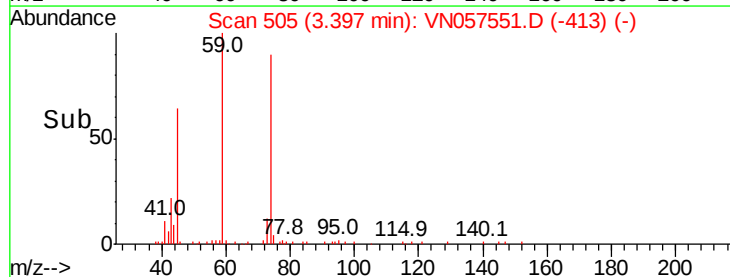
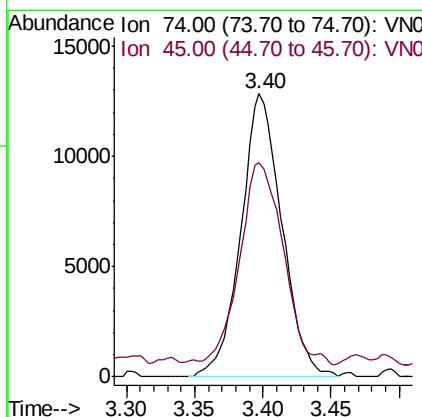
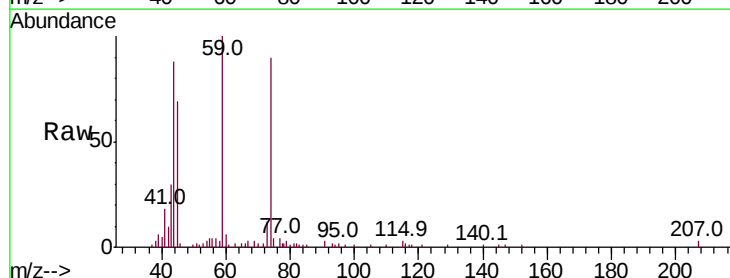
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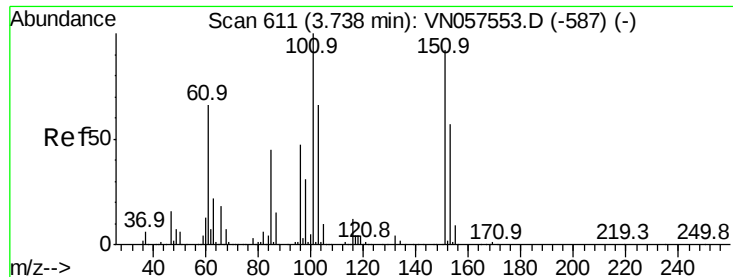


#8

Diethyl Ether
 Concen: 5.420 ug/l
 RT: 3.40 min Scan# 505
 Delta R.T. -0.00 min
 Lab File: VN057551.D
 Acq: 29 Aug 2019 15:48

Tgt Ion	Ratio	Lower	Upper
74	100		
45	75.9	57.9	173.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 6.033 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN057551.D

Acq: 29 Aug 2019 15:48

Instrument :

MSVOA_N

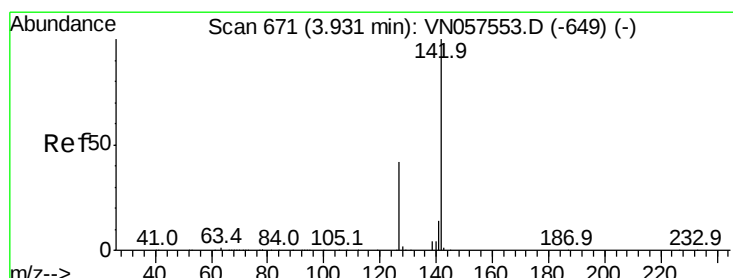
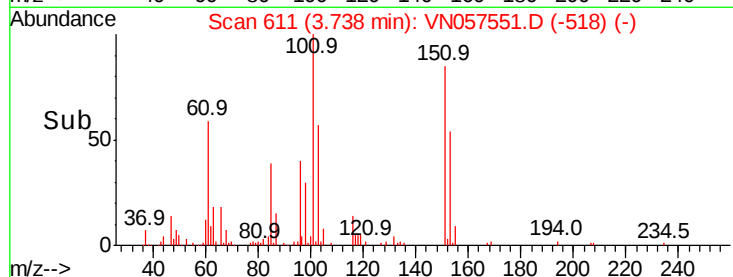
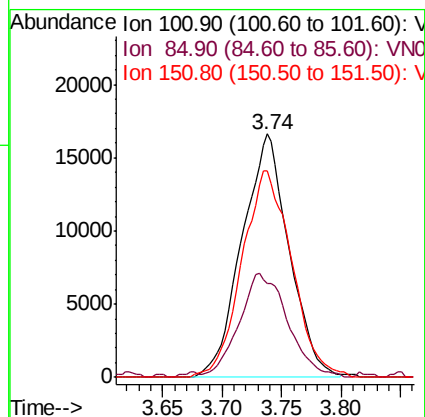
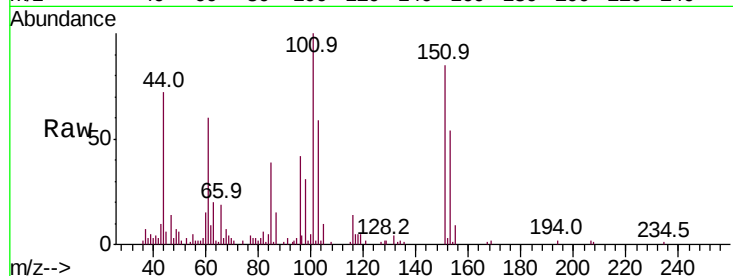
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	45420
Ion Ratio	Lower	Upper	
101	100		
85	44.3	40.0	60.0
151	90.0	57.0	85.6#

Manual Integrations
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#10

Methyl Iodide

Concen: 9.869 ug/l

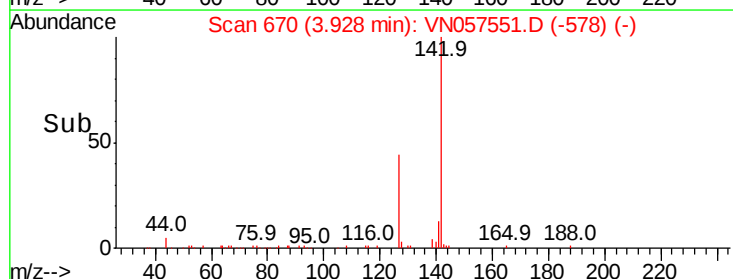
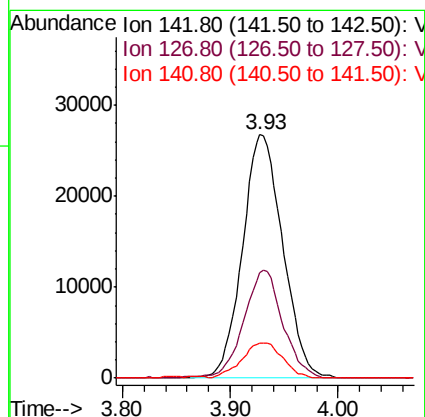
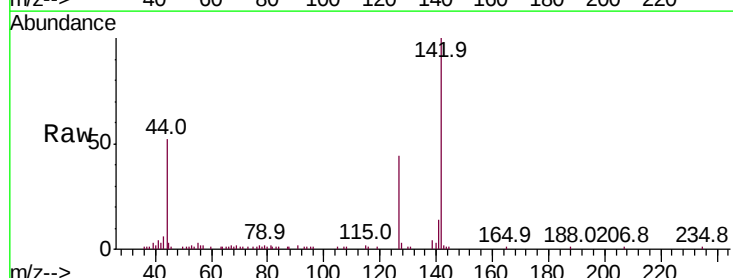
RT: 3.93 min Scan# 670

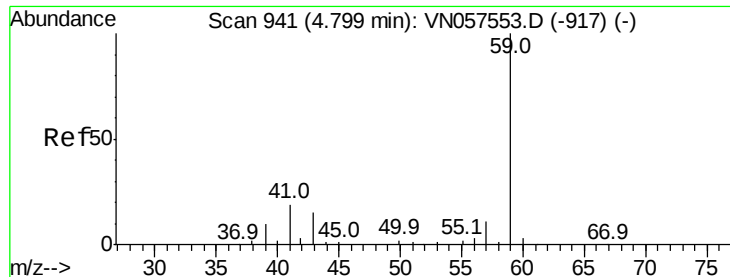
Delta R.T. -0.00 min

Lab File: VN057551.D

Acq: 29 Aug 2019 15:48

Tgt Ion:	142	Resp:	69410
Ion Ratio	Lower	Upper	
142	100		
127	42.9	37.8	56.8
141	14.8	11.9	17.9





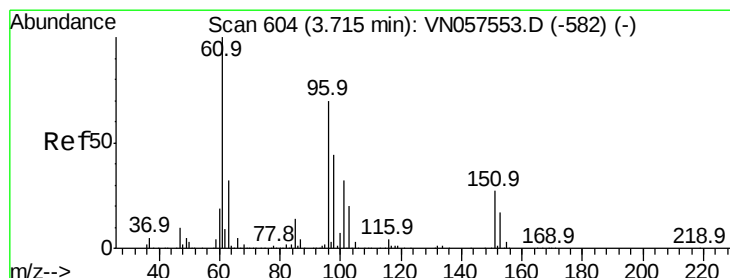
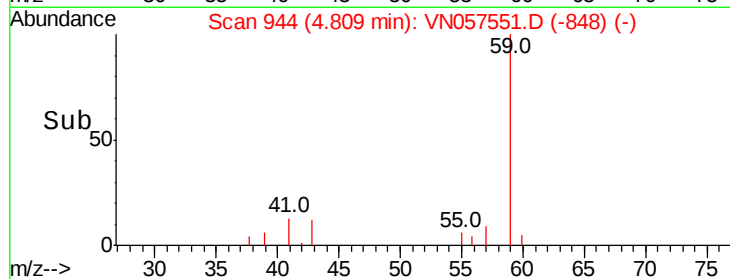
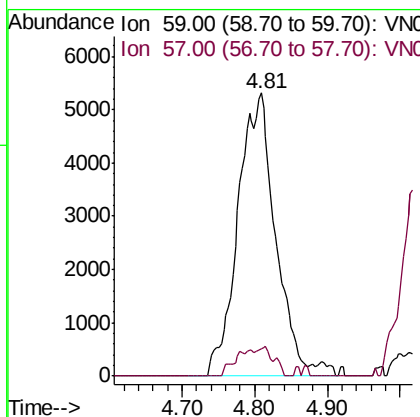
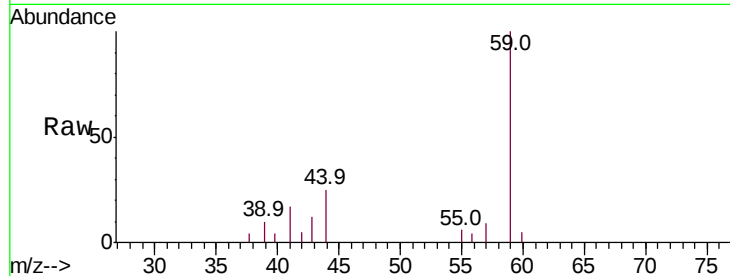
#11
Tert butyl alcohol
Concen: 22.435 ug/l m
RT: 4.81 min Scan# 944
Delta R.T. 0.01 min
Lab File: VN057551.D
Acq: 29 Aug 2019 15:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 59 Resp: 19279
Ion Ratio Lower Upper
59 100
57 4.9 9.1 13.7#

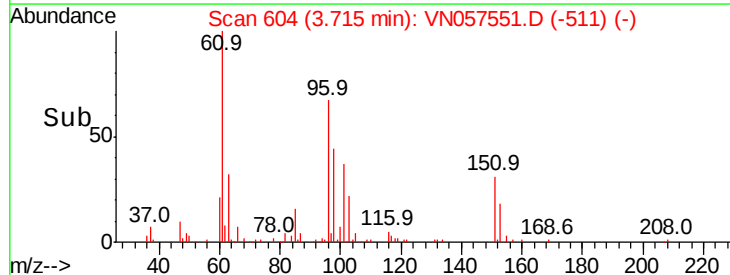
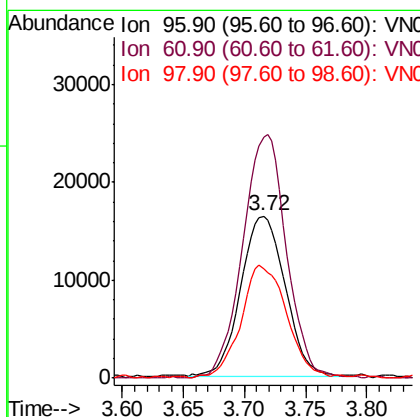
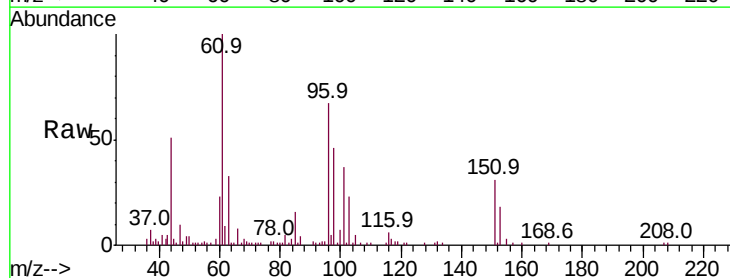
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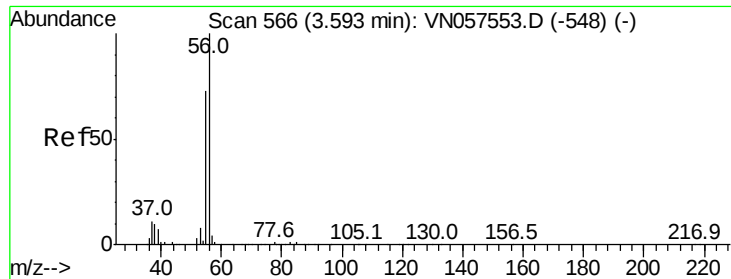
MMDadoda
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#12
1,1-Dichloroethene
Concen: 5.672 ug/l
RT: 3.72 min Scan# 604
Delta R.T. -0.00 min
Lab File: VN057551.D
Acq: 29 Aug 2019 15:48

Tgt Ion: 96 Resp: 41063
Ion Ratio Lower Upper
96 100
61 150.5 155.3 232.9#
98 68.5 50.2 75.2





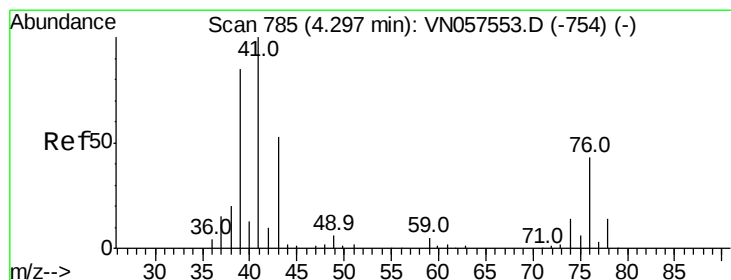
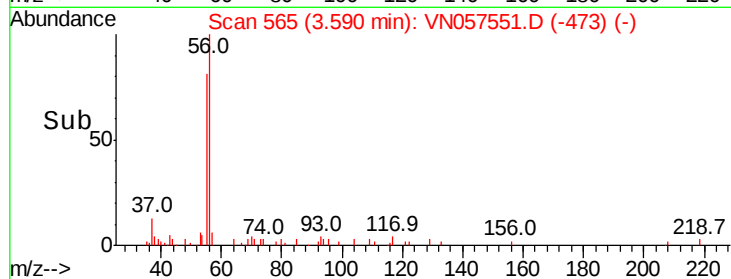
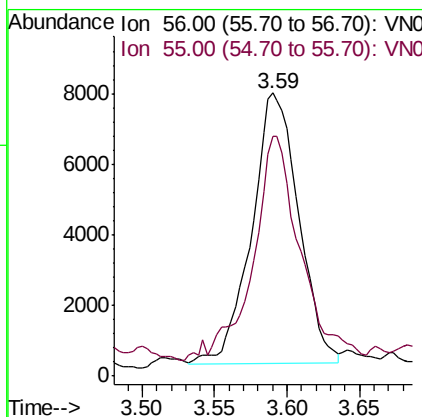
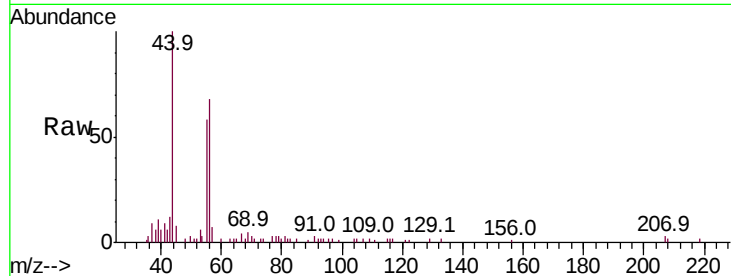
#13
 Acrolein
 Concen: 23.270 ug/l
 RT: 3.59 min Scan# 565
 Delta R.T. -0.00 min
 Lab File: VN057551.D
 Acq: 29 Aug 2019 15:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	56	Resp	17352
Ion	Ratio	Lower	Upper
56	100		
55	77.6	59.0	88.4

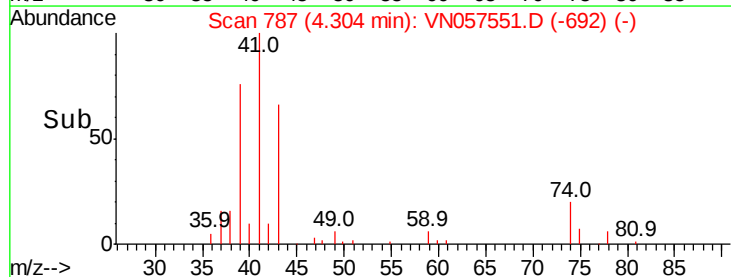
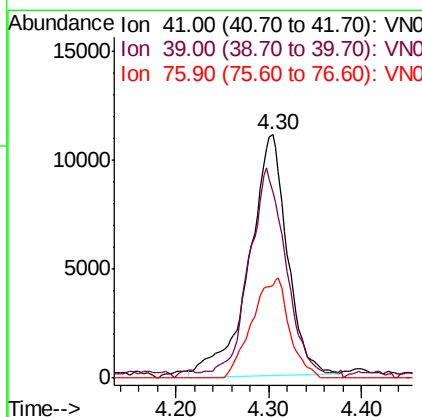
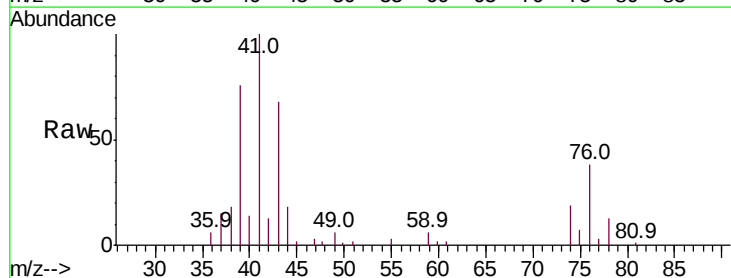
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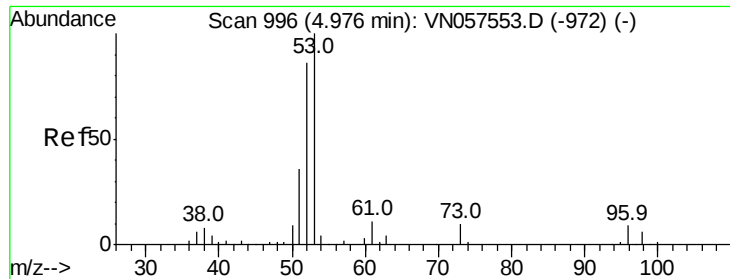
MMDadoda
 9/3/2019 2:38:41 AM



#14
 Allyl chloride
 Concen: 3.295 ug/l
 RT: 4.30 min Scan# 787
 Delta R.T. 0.01 min
 Lab File: VN057551.D
 Acq: 29 Aug 2019 15:48

Tgt Ion	41	Resp	31574
Ion	Ratio	Lower	Upper
41	100		
39	82.0	57.4	86.2
76	40.5	22.9	34.3#





#15

Acrylonitrile

Concen: 18.321 ug/l

RT: 4.98 min Scan# 998

Delta R.T. 0.01 min

Lab File: VN057551.D

Acq: 29 Aug 2019 15:48

Instrument :

MSVOA_N

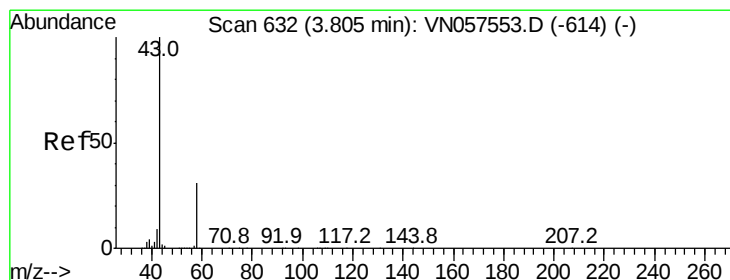
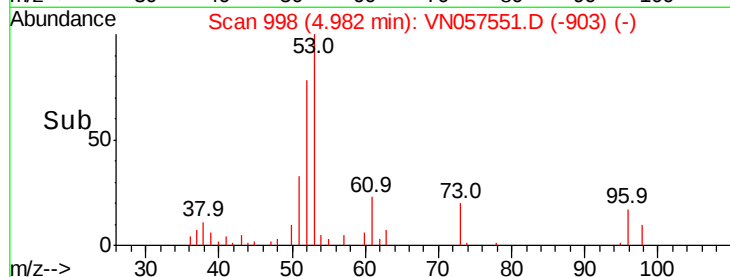
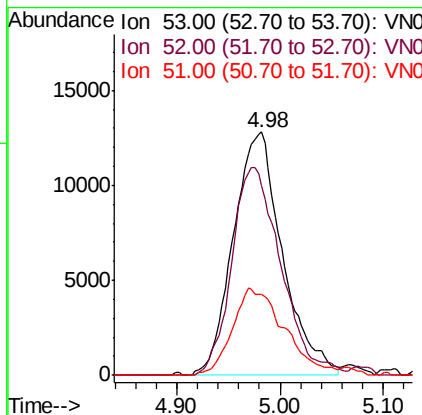
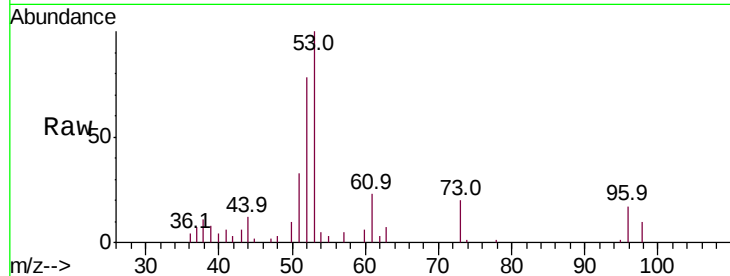
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	42456
Ion	Ratio	Lower	Upper
53	100		
52	85.5	67.0	100.6
51	38.0	29.9	44.9

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#16

Acetone

Concen: 22.281 ug/l

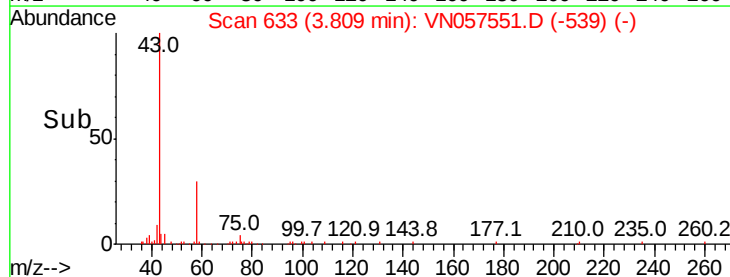
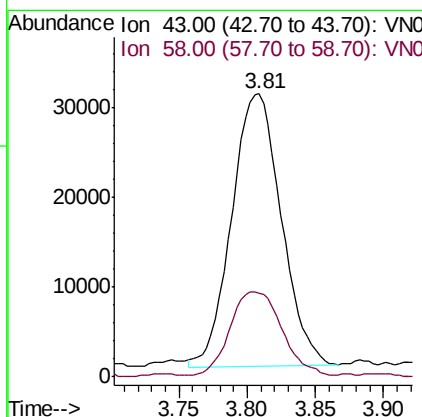
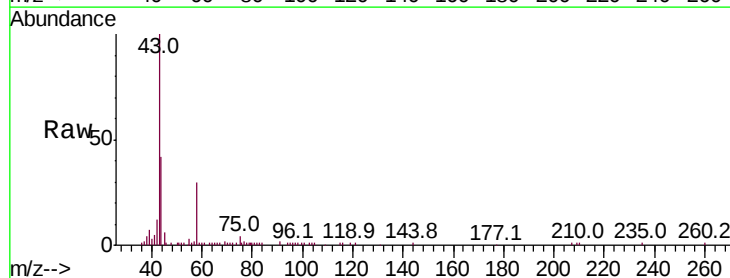
RT: 3.81 min Scan# 633

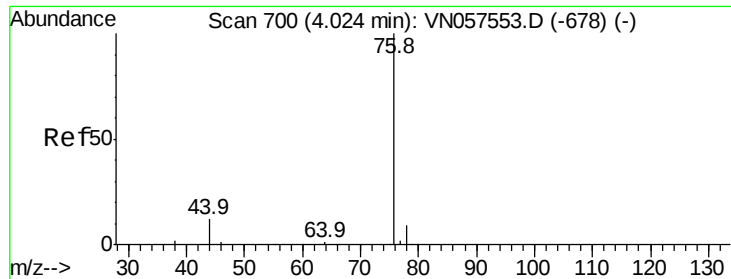
Delta R.T. 0.00 min

Lab File: VN057551.D

Acq: 29 Aug 2019 15:48

Tgt Ion:	43	Resp:	76555
Ion	Ratio	Lower	Upper
43	100		
58	30.5	22.1	33.1





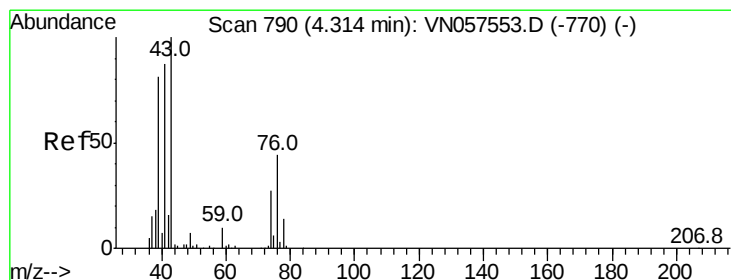
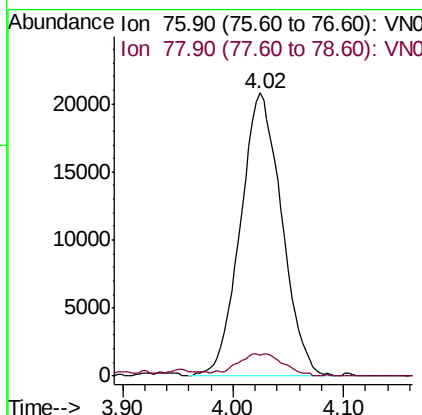
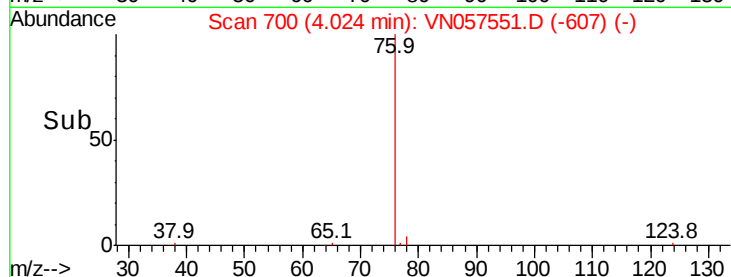
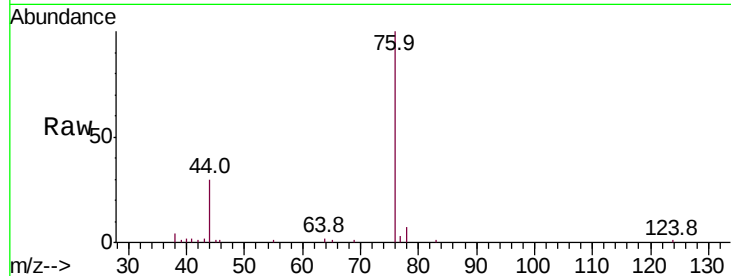
#17
Carbon Disulfide
Concen: 4.127 ug/l
RT: 4.02 min Scan# 700
Delta R.T. -0.00 min
Lab File: VN057551.D
Acq: 29 Aug 2019 15:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 76 Resp: 53974
Ion Ratio Lower Upper
76 100
78 7.4 7.1 10.7

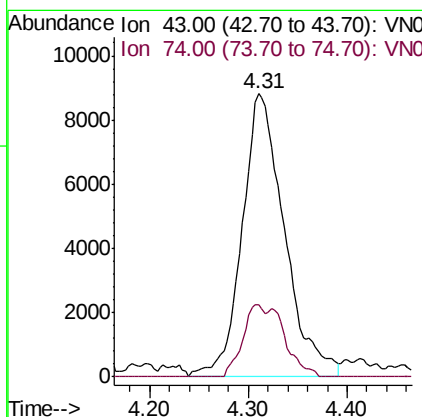
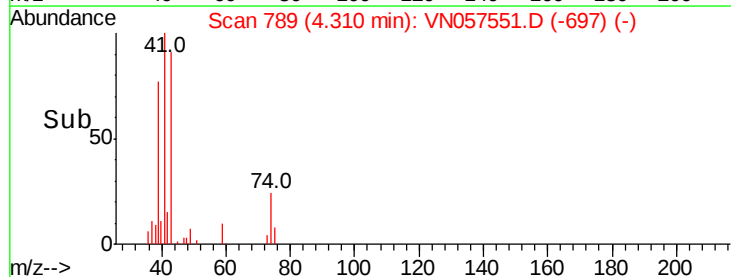
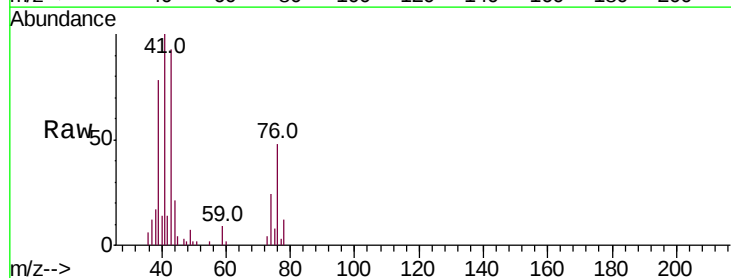
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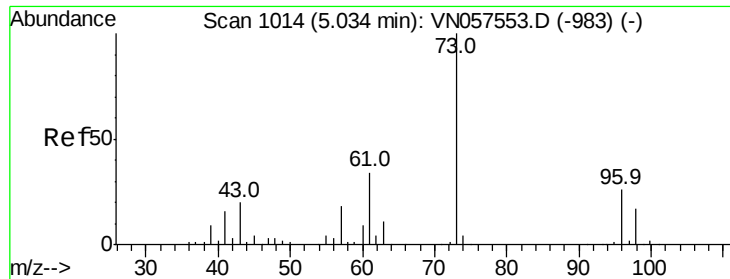
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#18
Methyl Acetate
Concen: 3.227 ug/l
RT: 4.31 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN057551.D
Acq: 29 Aug 2019 15:48

Tgt Ion: 43 Resp: 26209
Ion Ratio Lower Upper
43 100
74 13.2 15.9 23.9#





#19

Methyl tert-butyl Ether

Concen: 4.497 ug/l

RT: 5.03 min Scan# 1014

Delta R.T. -0.00 min

Lab File: VN057551.D

Acq: 29 Aug 2019 15:48

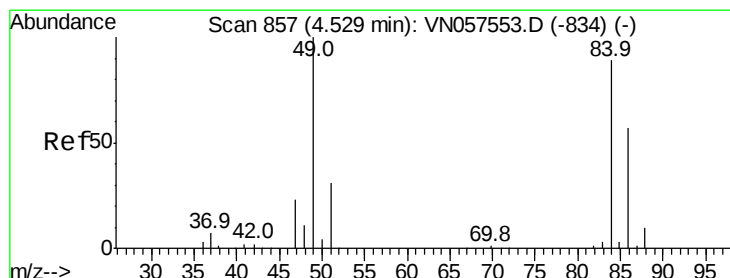
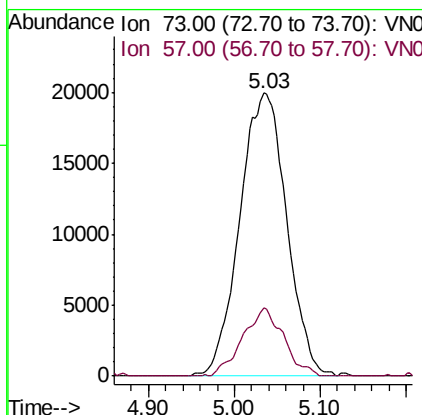
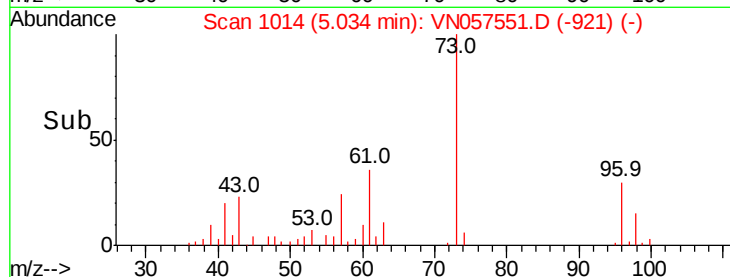
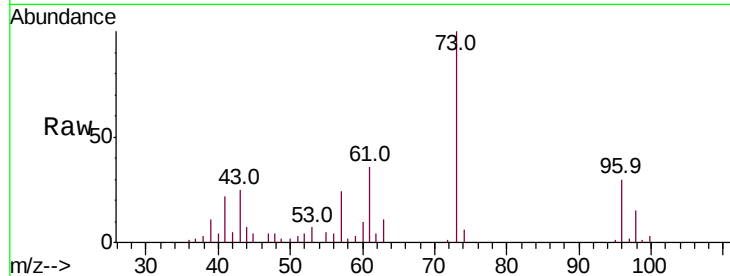
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 73 Resp: 75655

Ion	Ratio	Lower	Upper
73	100		
57	23.9	19.1	28.7

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#20

Methylene Chloride

Concen: 4.998 ug/l

RT: 4.53 min Scan# 856

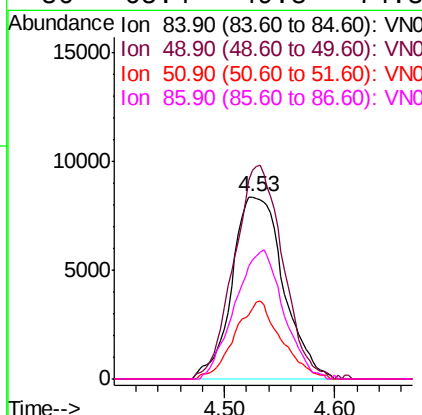
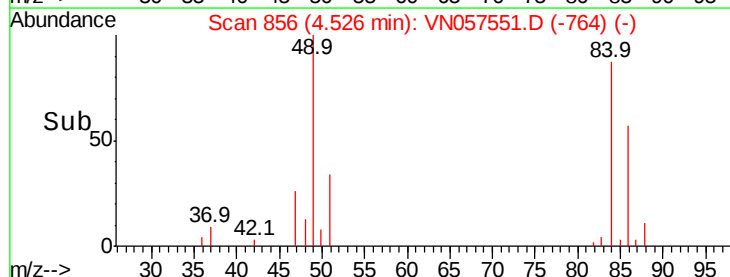
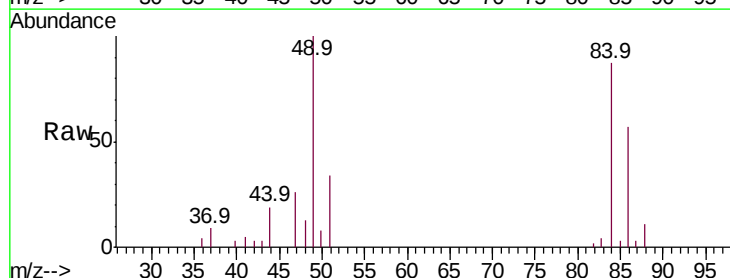
Delta R.T. -0.00 min

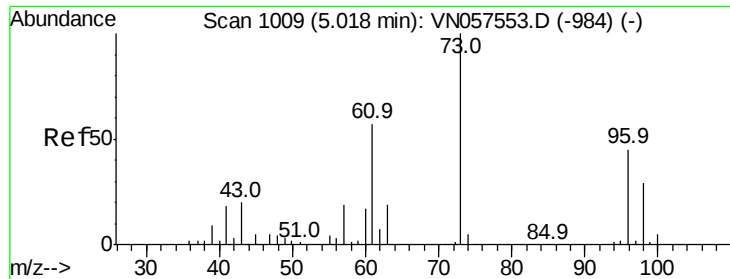
Lab File: VN057551.D

Acq: 29 Aug 2019 15:48

Tgt Ion: 84 Resp: 27029

Ion	Ratio	Lower	Upper
84	100		
49	114.7	117.0	175.4#
51	39.0	35.5	53.3
86	65.4	49.8	74.8





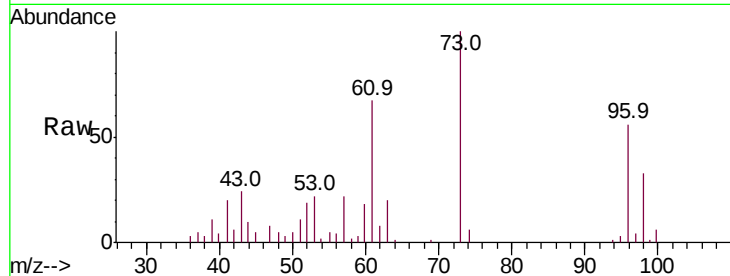
#21
trans-1,2-Dichloroethene
Concen: 5.221 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN057551.D
Acq: 29 Aug 2019 15:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

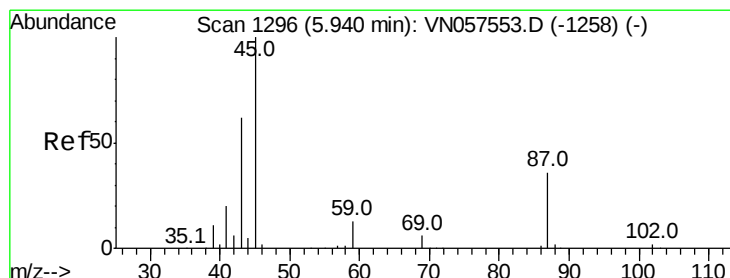
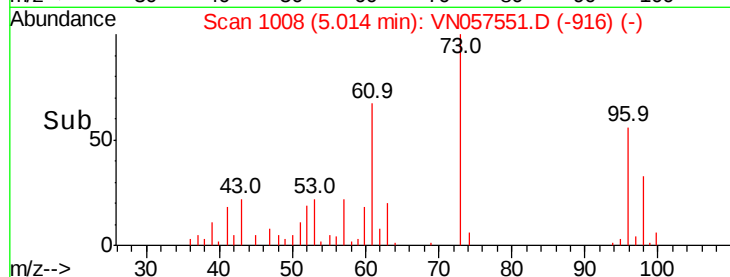
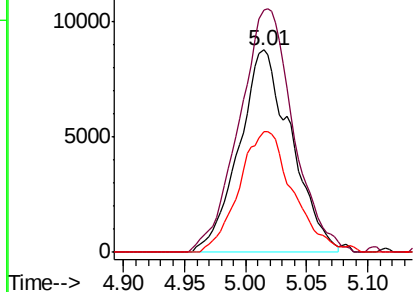
Tot Ion	Ratio	Lower	Upper
96	100		
61	119.6	127.9	191.9#
98	59.7	50.6	76.0

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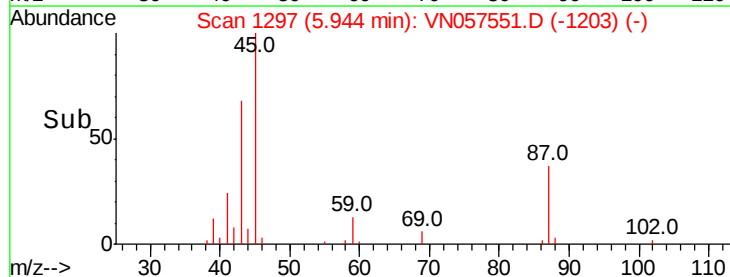
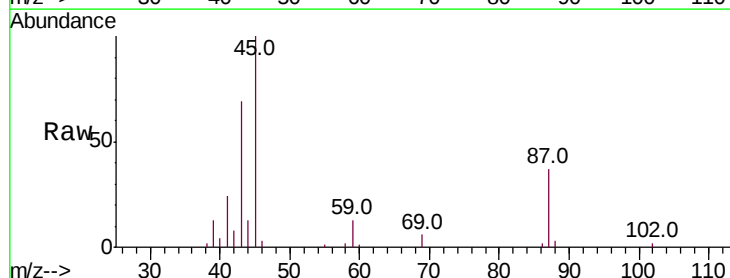
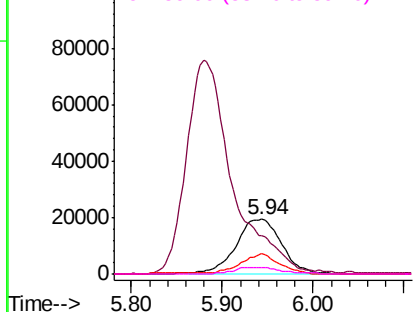
Abundance Ion 95.90 (95.60 to 96.60): VNC
Ion 60.90 (60.60 to 61.60): VNC
Ion 97.90 (97.60 to 98.60): VNC

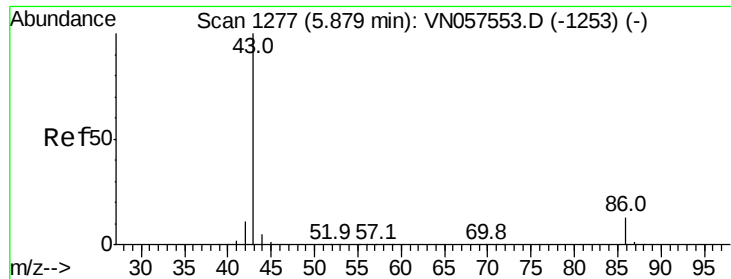


#22
Diisopropyl ether
Concen: 3.492 ug/l
RT: 5.94 min Scan# 1297
Delta R.T. 0.00 min
Lab File: VN057551.D
Acq: 29 Aug 2019 15:48

Tgt Ion	Ratio	Lower	Upper
45	100		
43	67.1	46.9	70.3
87	37.5	19.3	28.9#
59	13.0	8.7	13.1

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





#23

Vinyl Acetate

Concen: 18.085 ug/l

RT: 5.88 min Scan# 1277

Delta R.T. -0.00 min

Lab File: VN057551.D

Acq: 29 Aug 2019 15:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 268395

Ion Ratio Lower Upper

43 100

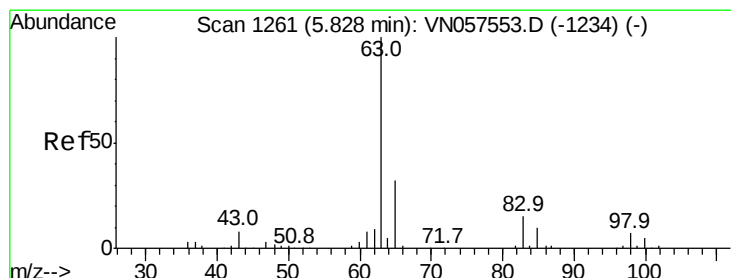
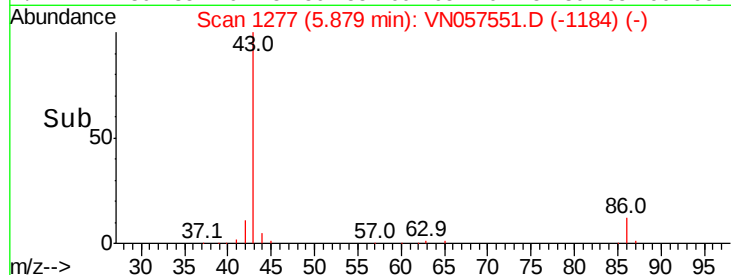
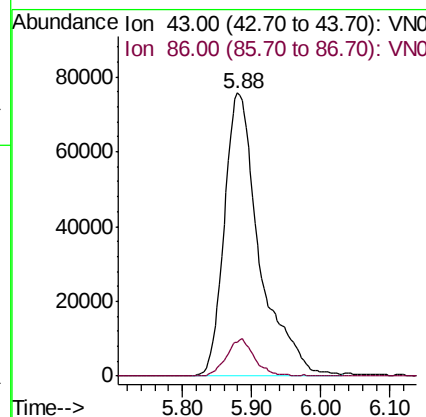
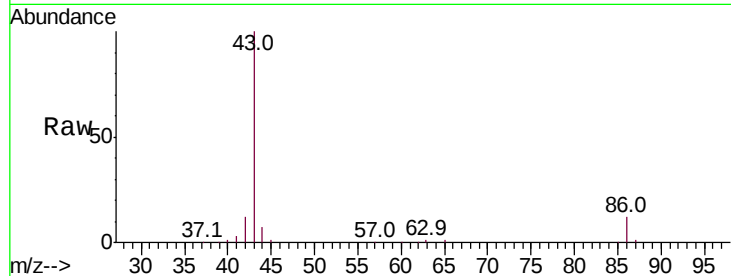
86 12.1 6.7 10.1#

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#24

1,1-Dichloroethane

Concen: 4.437 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VN057551.D

Acq: 29 Aug 2019 15:48

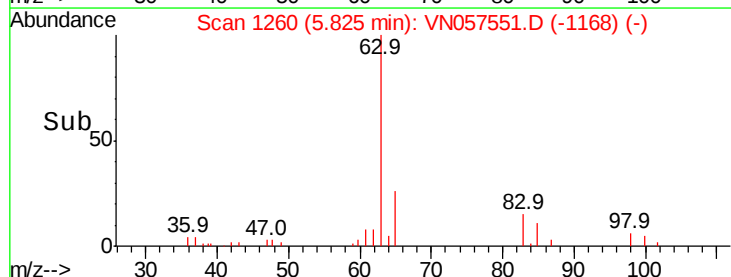
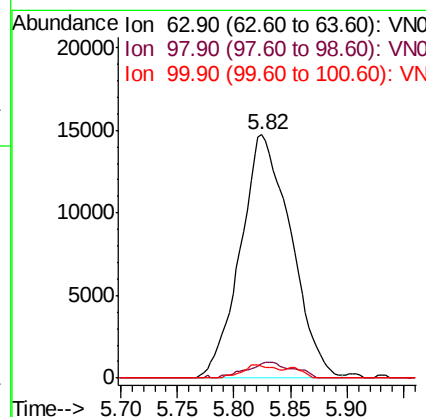
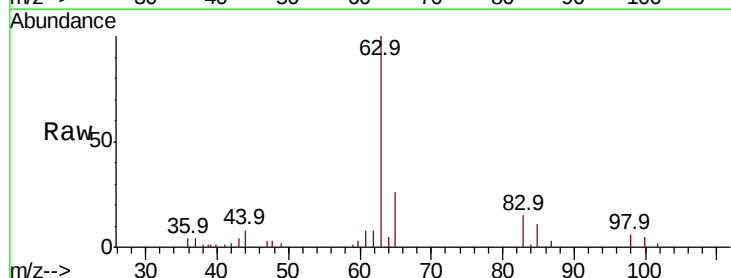
Tgt Ion: 63 Resp: 45729

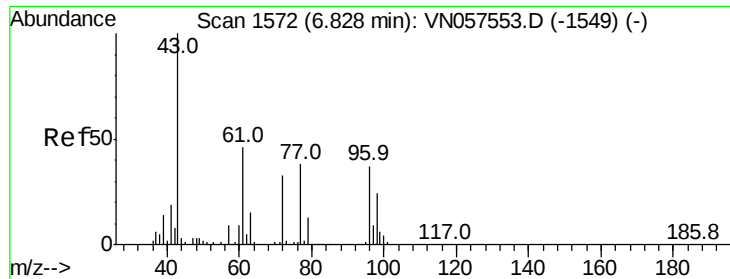
Ion Ratio Lower Upper

63 100

98 5.9 2.9 8.6

100 4.8 2.1 6.3





#25

2-Butanone

Concen: 16.374 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.01 min

Lab File: VN057551.D

Acq: 29 Aug 2019 15:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 55975

Ion Ratio Lower Upper

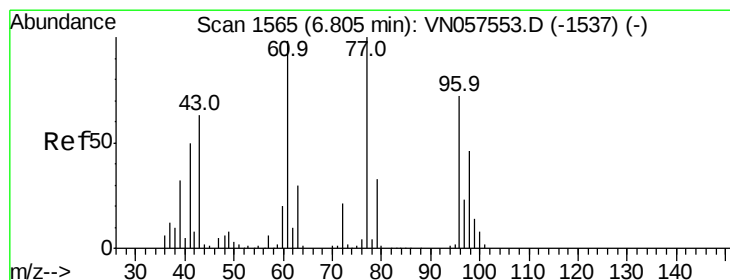
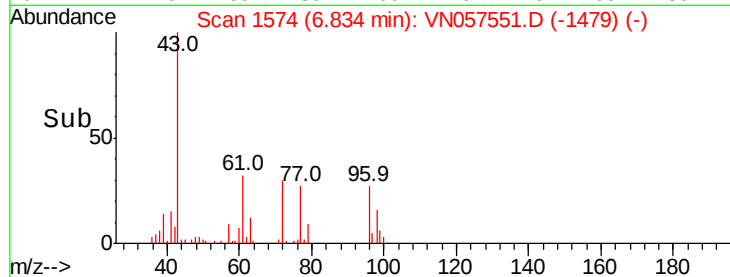
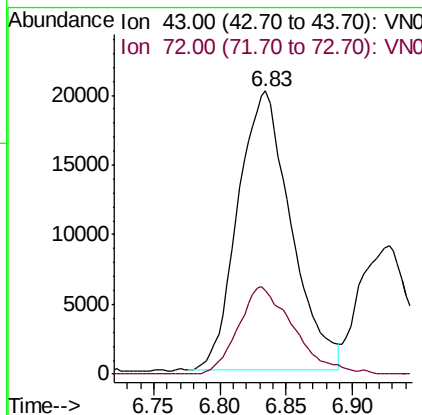
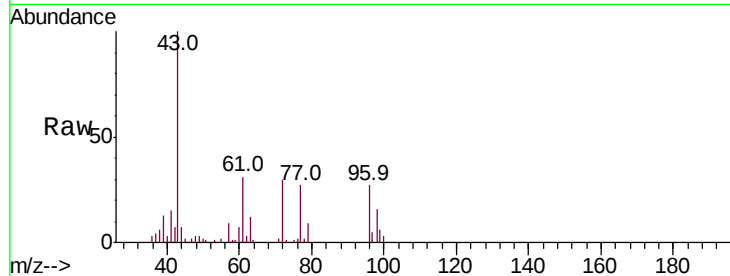
43 100

72 29.9 17.8 26.8#

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#26

2,2-Dichloropropane

Concen: 4.945 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN057551.D

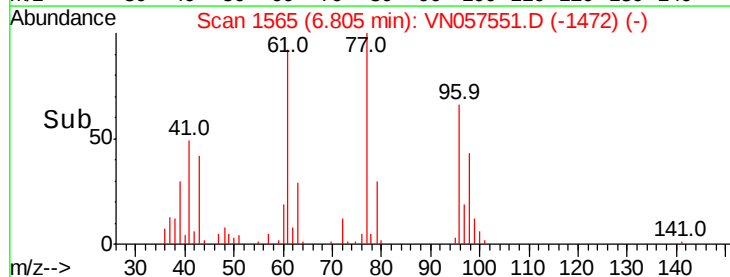
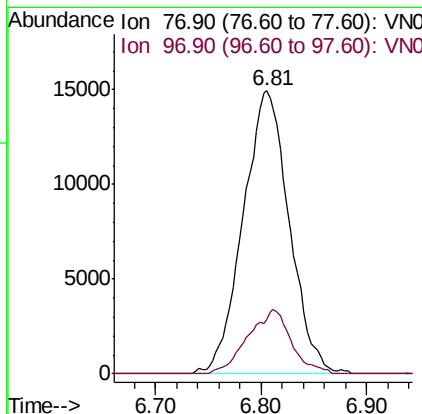
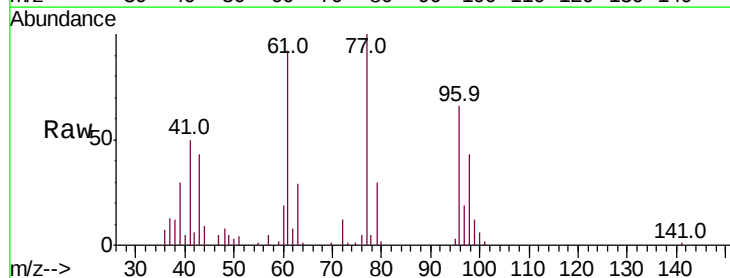
Acq: 29 Aug 2019 15:48

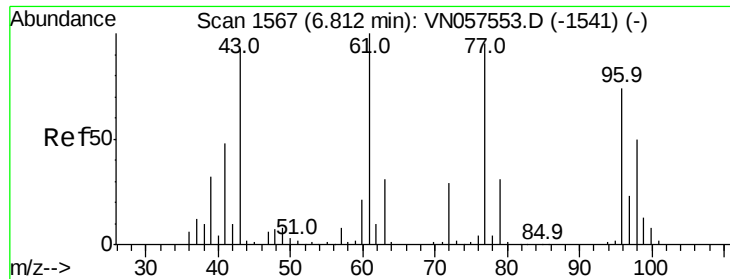
Tgt Ion: 77 Resp: 45432

Ion Ratio Lower Upper

77 100

97 21.4 10.8 32.3





#27

cis-1,2-Dichloroethene

Concen: 5.293 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VN057551.D

Acq: 29 Aug 2019 15:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 96 Resp: 31496

Ion Ratio Lower Upper

96 100

61 136.5 0.0 334.8

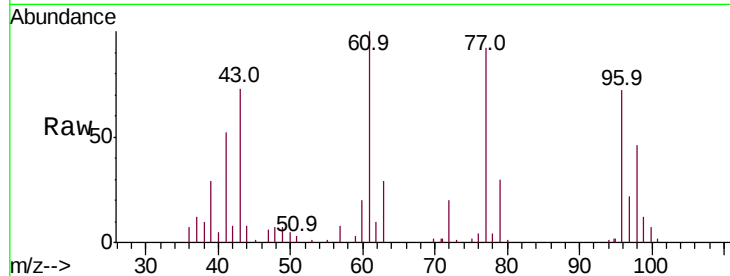
98 62.7 0.0 127.4

Manual Integrations

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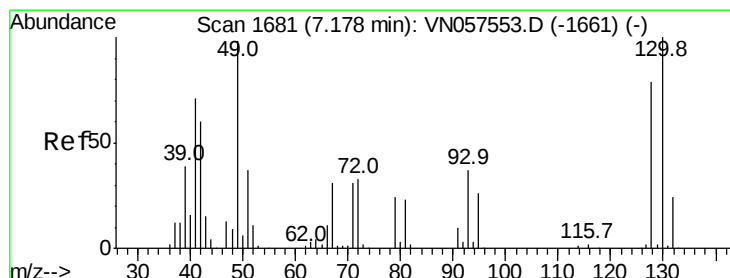
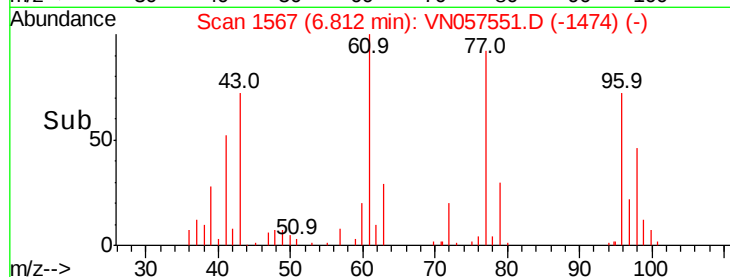
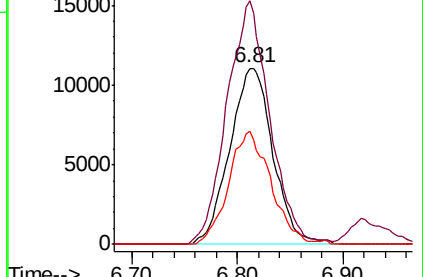
9/3/2019 2:38:41 AM



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 3.677 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VN057551.D

Acq: 29 Aug 2019 15:48

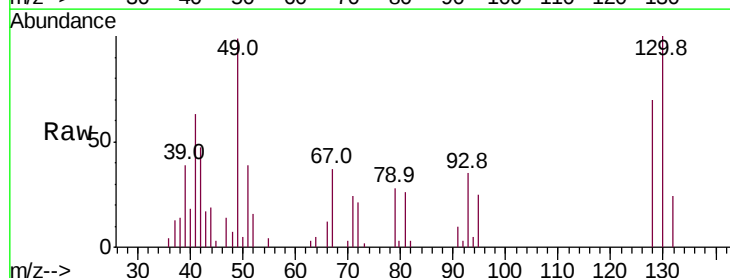
Tgt Ion: 49 Resp: 19558

Ion Ratio Lower Upper

49 100

129 0.7 0.0 3.6

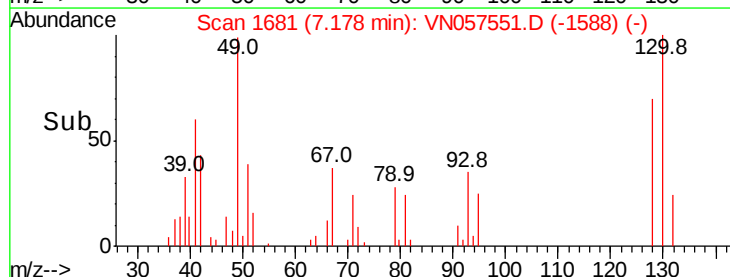
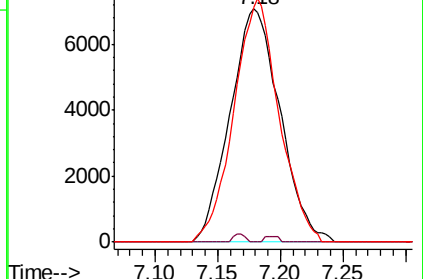
130 94.4 48.6 72.8#

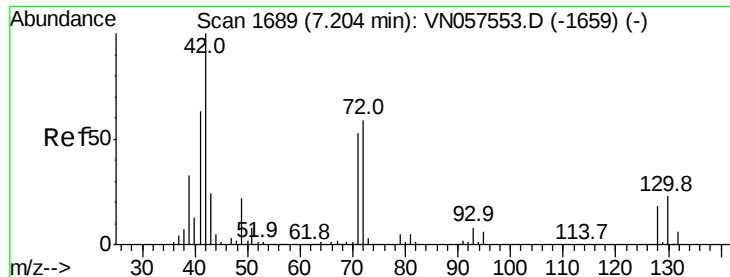


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





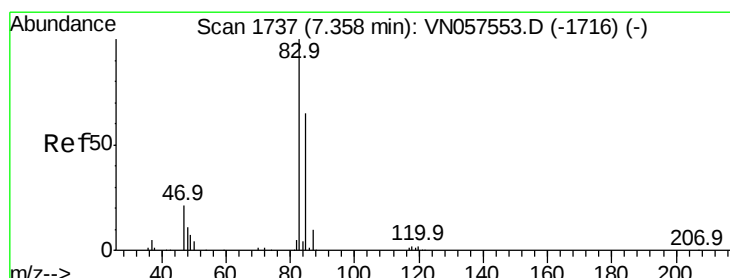
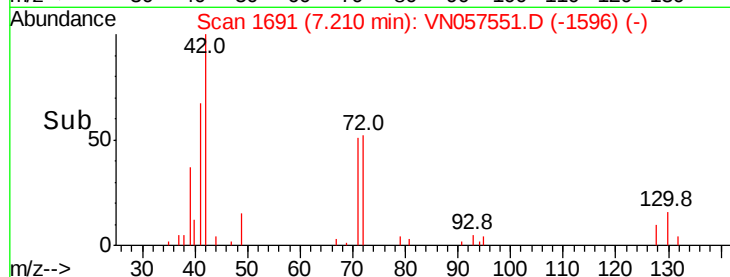
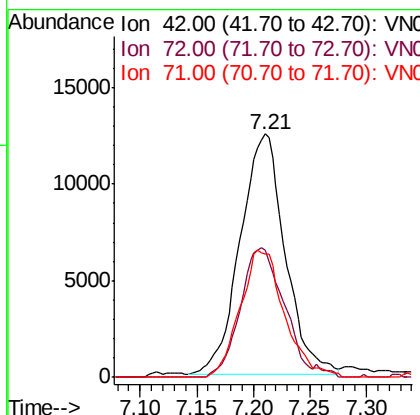
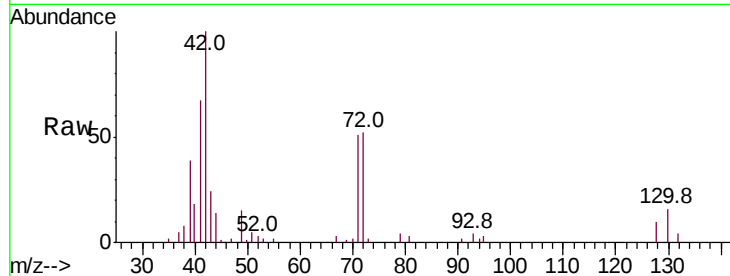
#29
Tetrahydrofuran
Concen: 15.396 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.01 min
Lab File: VN057551.D
Acq: 29 Aug 2019 15:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	51.7	30.1	45.1#
71	52.2	28.8	43.2#

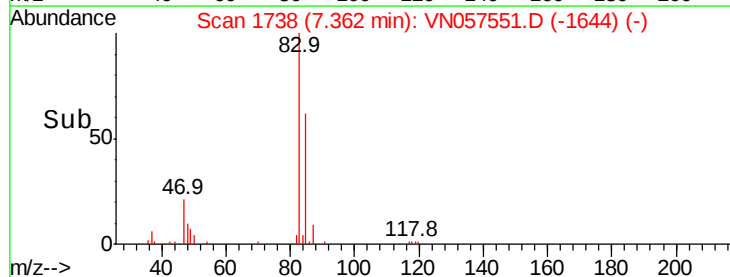
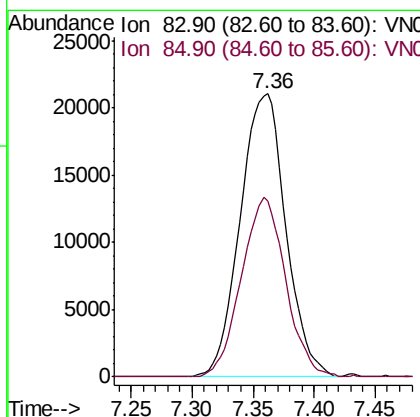
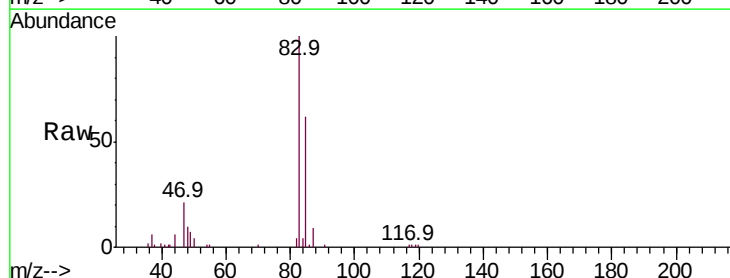
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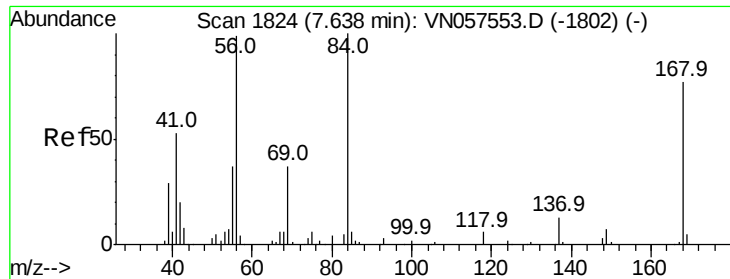
MMDadoda
9/3/2019 2:38:41 AM



#30
Chloroform
Concen: 4.940 ug/l
RT: 7.36 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN057551.D
Acq: 29 Aug 2019 15:48

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.2	51.9	77.9





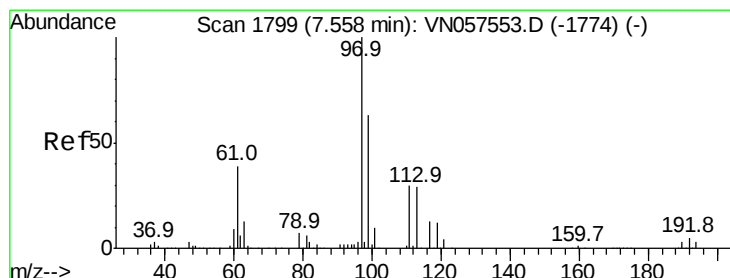
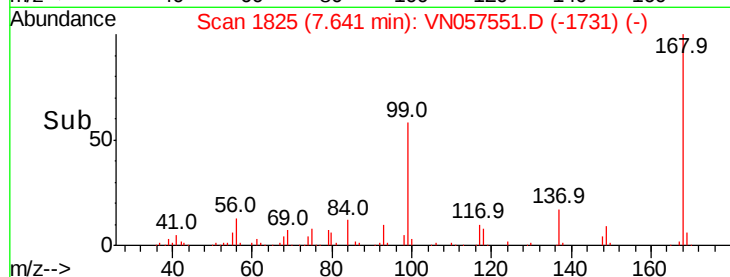
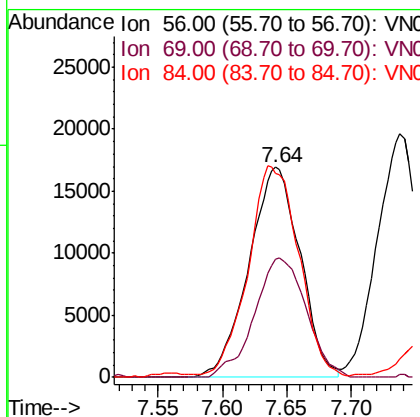
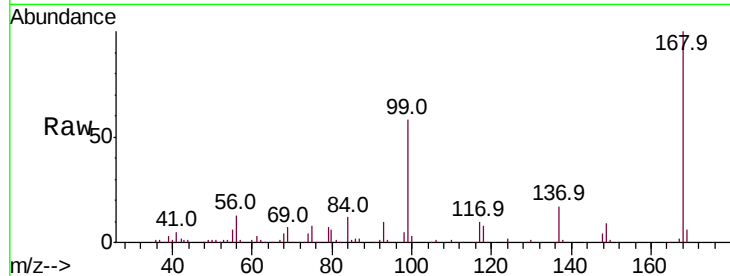
#31
Cyclohexane
Concen: 4.812 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.00 min
Lab File: VN057551.D
Acq: 29 Aug 2019 15:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
69	56.5	25.0	37.6#
84	95.8	62.5	93.7#

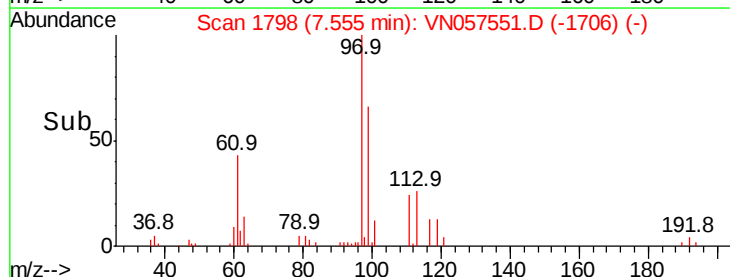
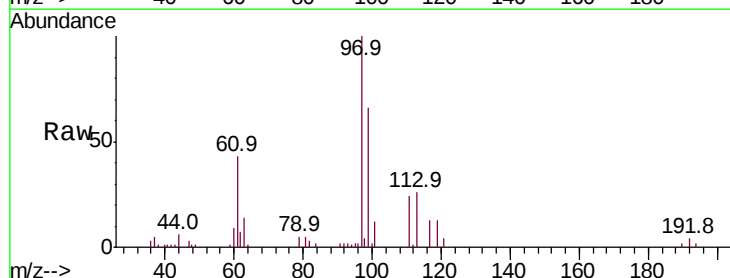
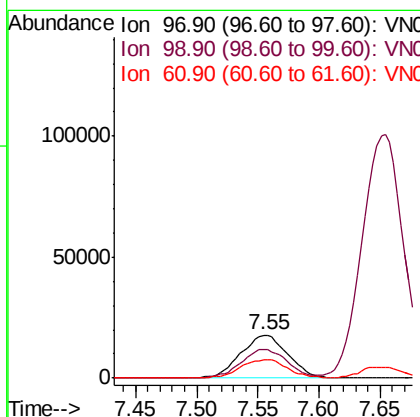
Manual Integrations
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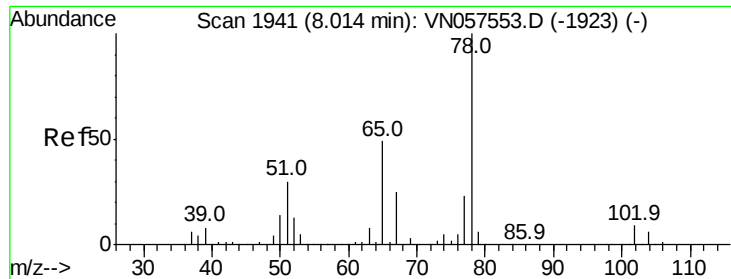
MMDadoda
9/3/2019 2:38:41 AM



#32
1,1,1-Trichloroethane
Concen: 5.131 ug/l
RT: 7.55 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN057551.D
Acq: 29 Aug 2019 15:48

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.6	51.0	76.6
61	43.4	39.8	59.6





#33

1,2-Dichloroethane-d4

Concen: 4.651 ug/l

RT: 8.02 min Scan# 1942

Delta R.T. 0.00 min

Lab File: VN057551.D

Acq: 29 Aug 2019 15:48

Tot Ion: 65 Resp: 33082

Ion Ratio Lower Upper

65 100

67 52.3 0.0 103.8

Instrument :

MSVOA_N

ClientSampleId :

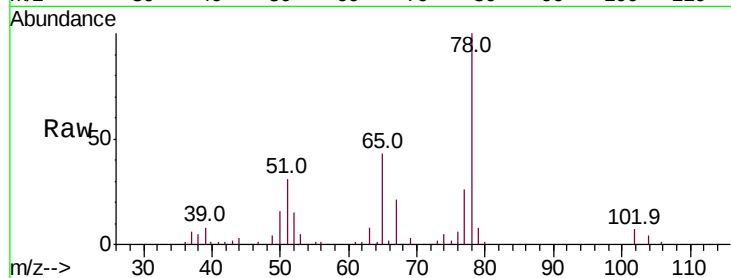
VSTDIC005

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Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

8.02

15000

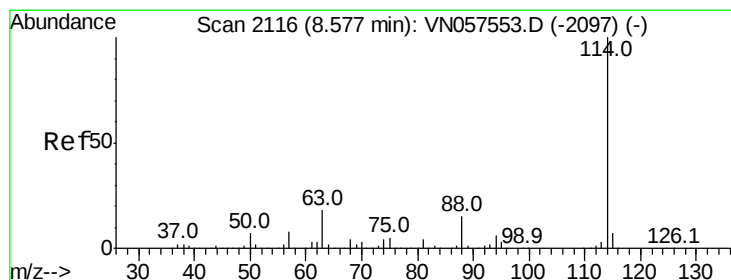
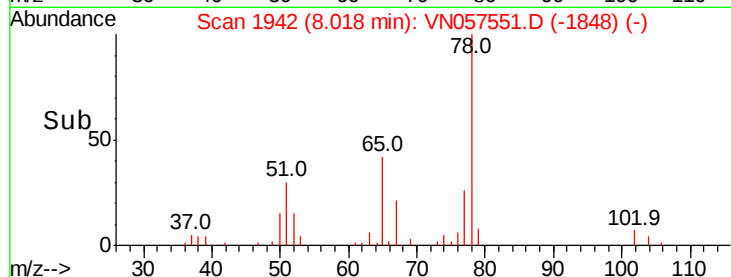
10000

5000

0

Time-->

7.95 8.00 8.05 8.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2116

Delta R.T. -0.00 min

Lab File: VN057551.D

Acq: 29 Aug 2019 15:48

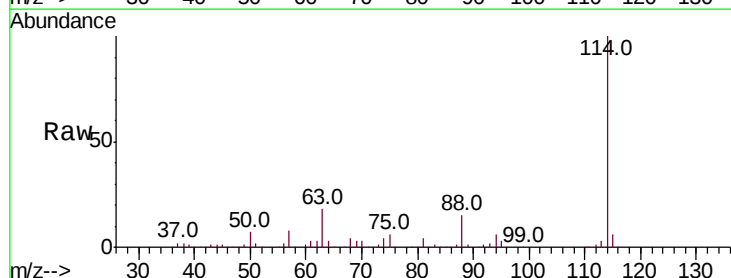
Tgt Ion:114 Resp: 653016

Ion Ratio Lower Upper

114 100

63 18.4 0.0 50.2

88 14.9 0.0 34.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

400000

300000

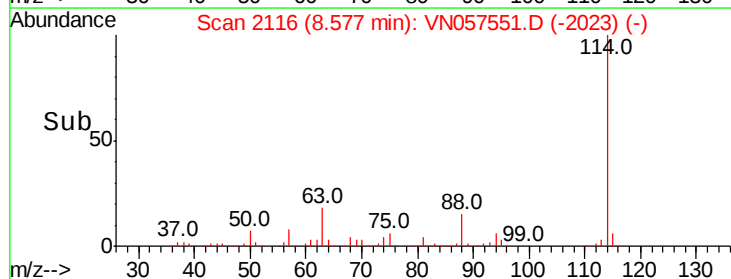
200000

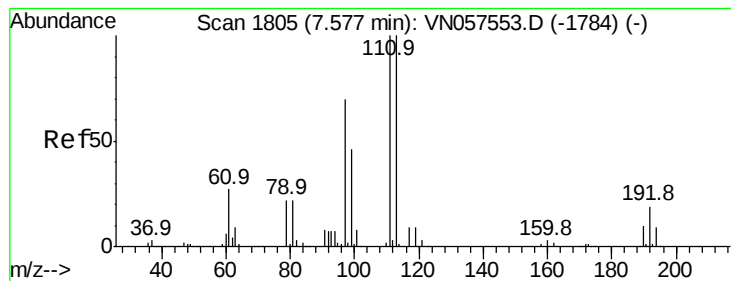
100000

0

Time-->

8.50 8.60 8.70





#35

Dibromofluoromethane

Concen: 6.427 ug/l

RT: 7.58 min Scan# 1805

Delta R.T. -0.00 min

Lab File: VN057551.D

Acq: 29 Aug 2019 15:48

Instrument :

MSVOA_N

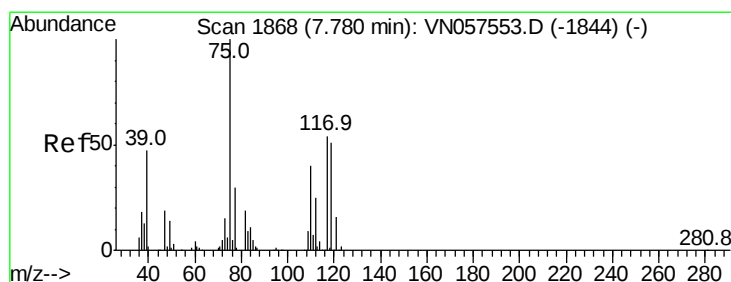
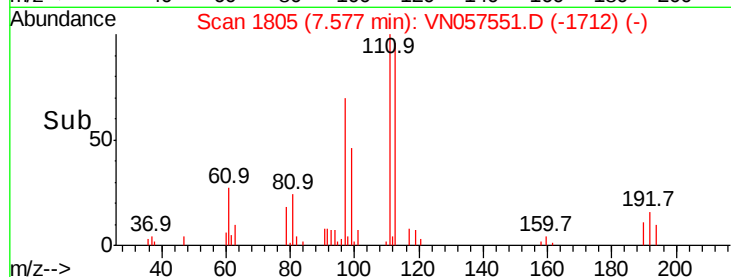
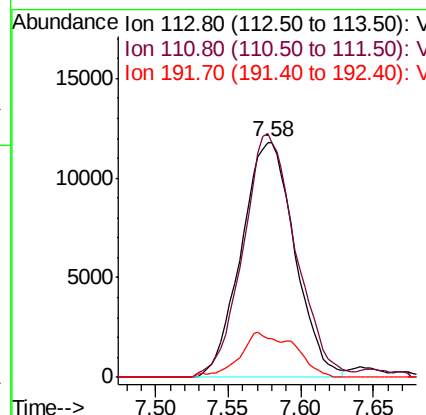
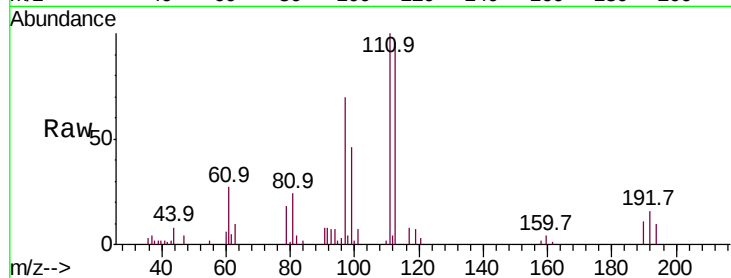
ClientSampleId :

VSTDIC005

Tot Ion:	113	Resp:	30156
Ion Ratio	Lower	Upper	
113	100		
111	102.2	83.8	125.6
192	19.5	13.5	20.3

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 5.205 ug/l

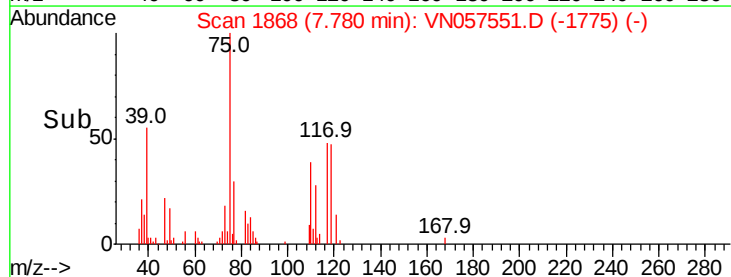
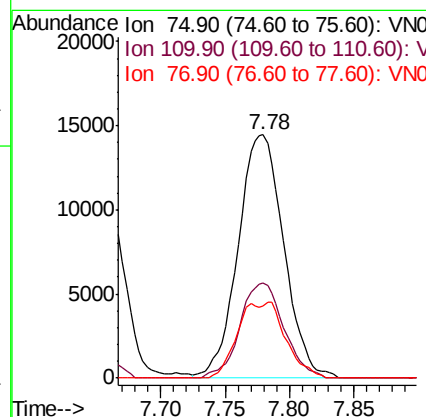
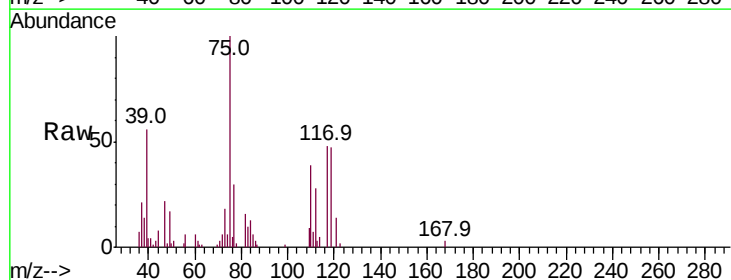
RT: 7.78 min Scan# 1868

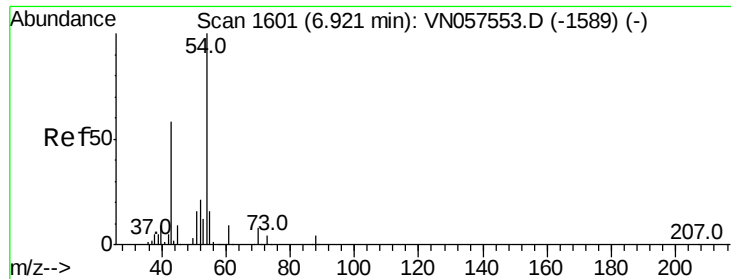
Delta R.T. -0.00 min

Lab File: VN057551.D

Acq: 29 Aug 2019 15:48

Tgt Ion:	75	Resp:	35624
Ion Ratio	Lower	Upper	
75	100		
110	37.6	16.1	48.3
77	15.9	24.8	37.2#





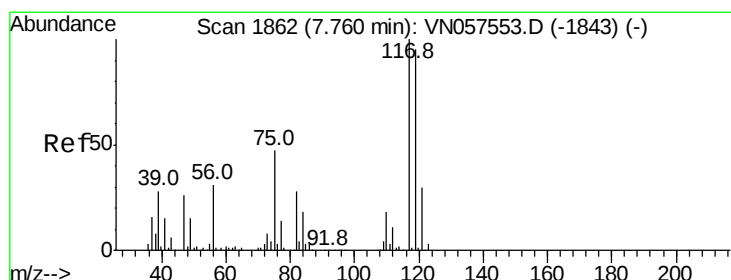
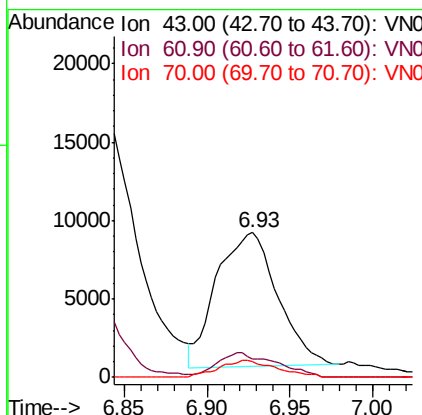
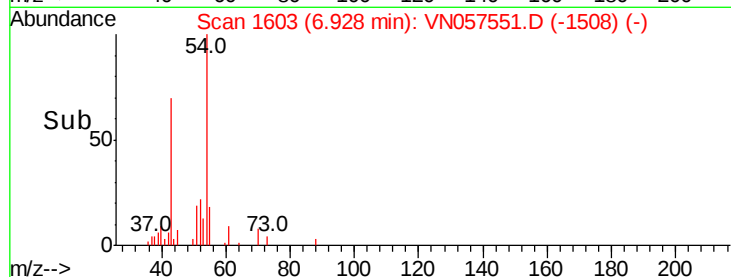
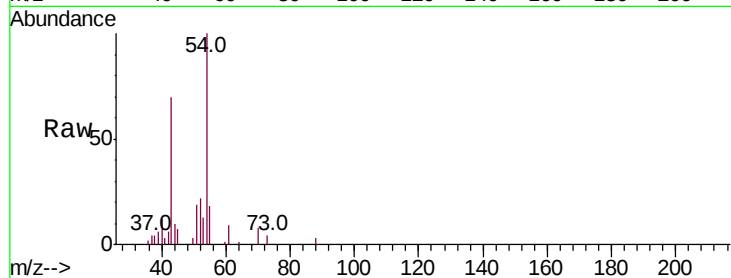
#37
Ethyl Acetate
Concen: 3.481 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.01 min
Lab File: VN057551.D
Acq: 29 Aug 2019 15:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.7	9.9	14.9#
70	12.0	7.0	10.6#

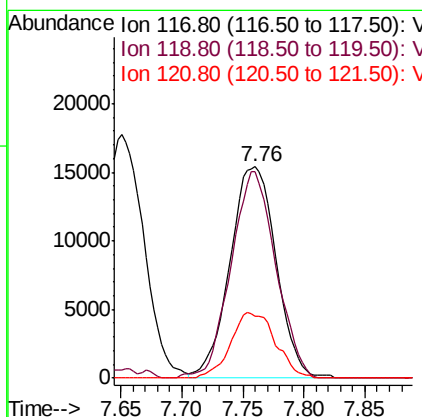
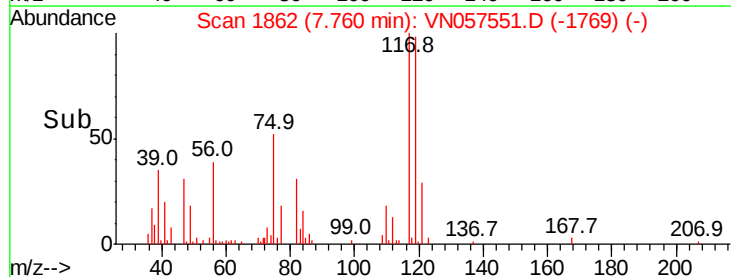
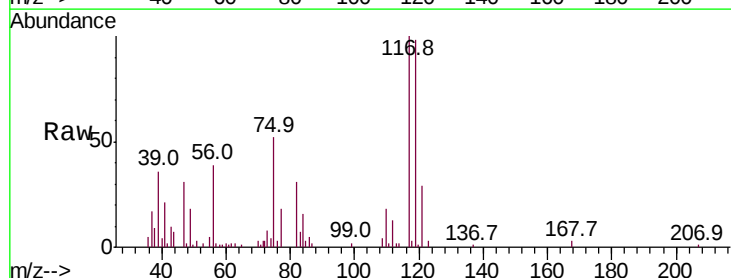
Manual Integrations
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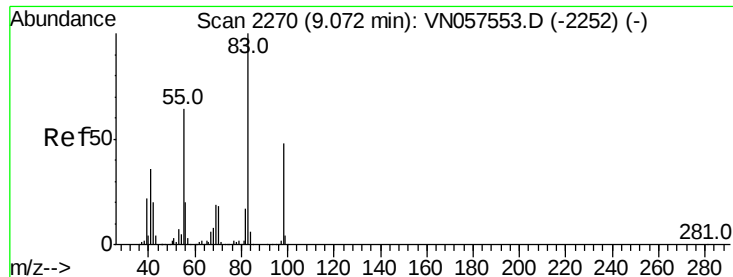
MMDadoda
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#38
Carbon Tetrachloride
Concen: 5.775 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VN057551.D
Acq: 29 Aug 2019 15:48

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.9	76.2	114.4
121	29.4	23.8	35.6





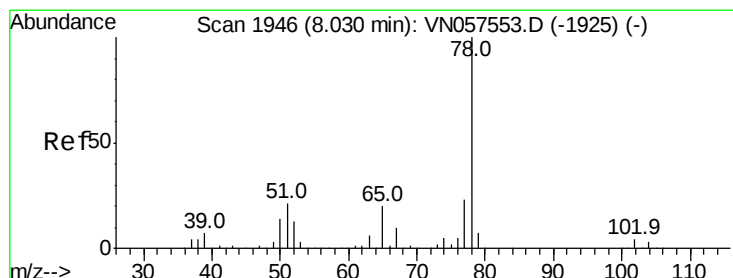
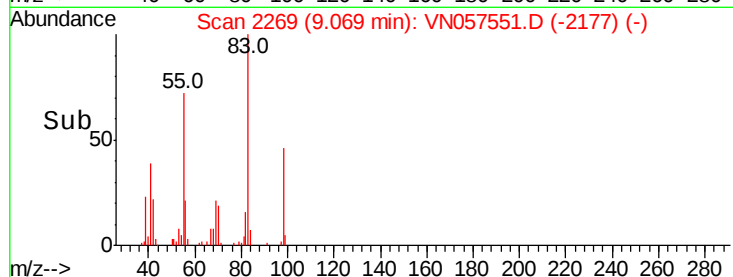
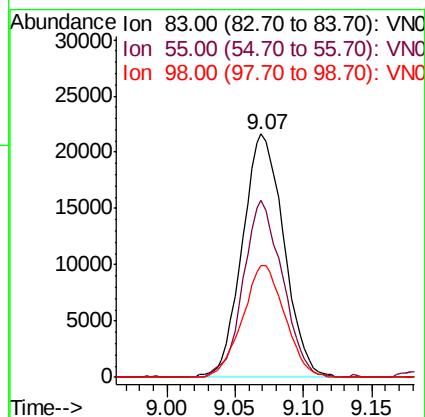
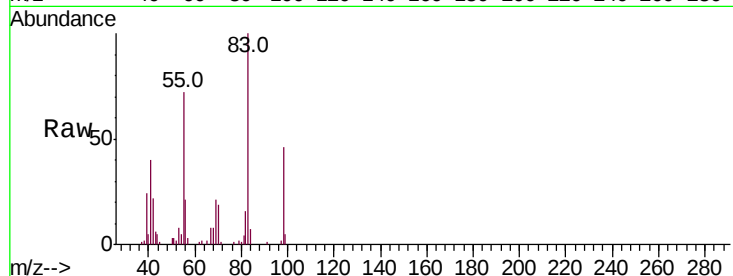
#39
Methvlcvclohexane
Concen: 5.566 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. -0.00 min
Lab File: VN057551.D
Acq: 29 Aug 2019 15:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:	83	Resp:	45688
Ion	Ratio	Lower	Upper
83	100		
55	72.5	68.6	102.8
98	46.1	36.6	54.8

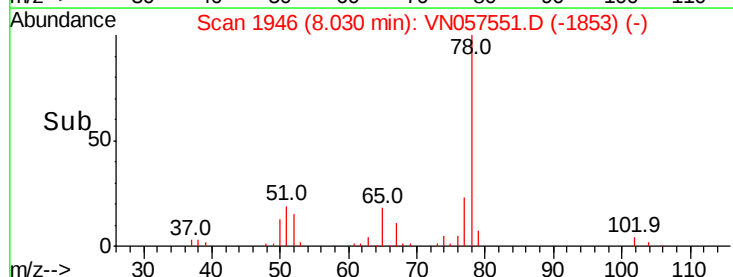
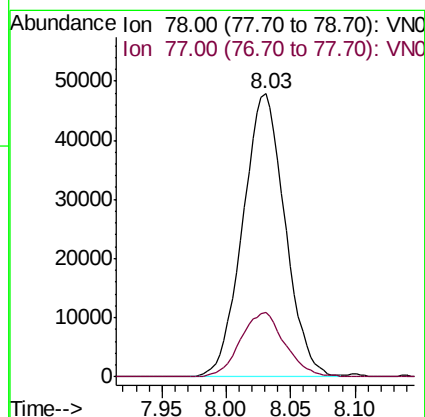
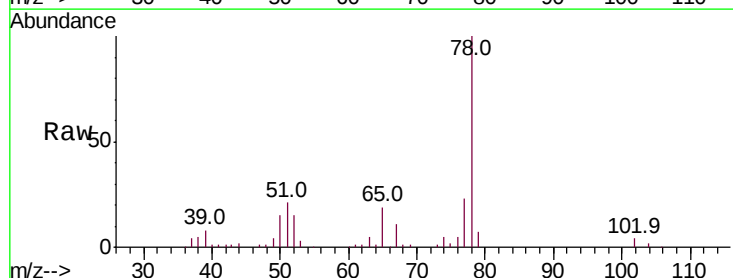
Manual Integrations
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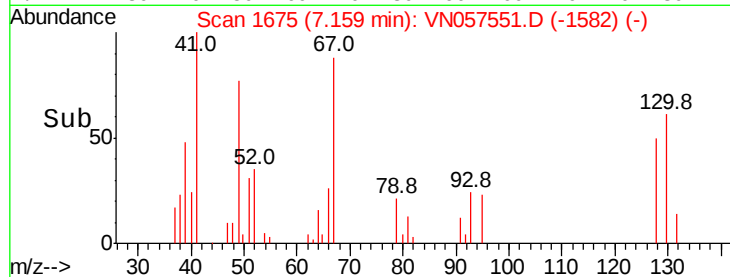
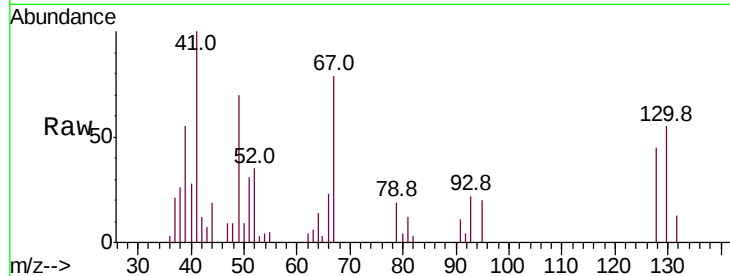
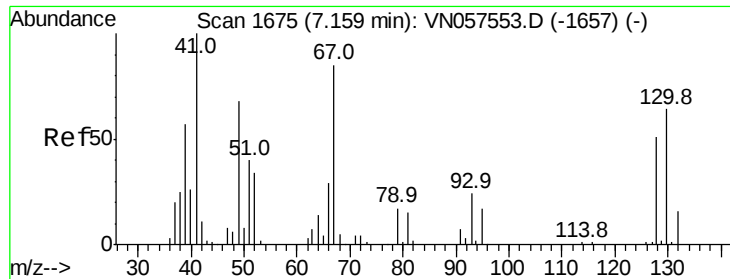
MMDadoda
9/3/2019 2:38:41 AM



#40
Benzene
Concen: 5.315 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. -0.00 min
Lab File: VN057551.D
Acq: 29 Aug 2019 15:48

Tgt Ion:	78	Resp:	109421
Ion	Ratio	Lower	Upper
78	100		
77	22.6	18.5	27.7





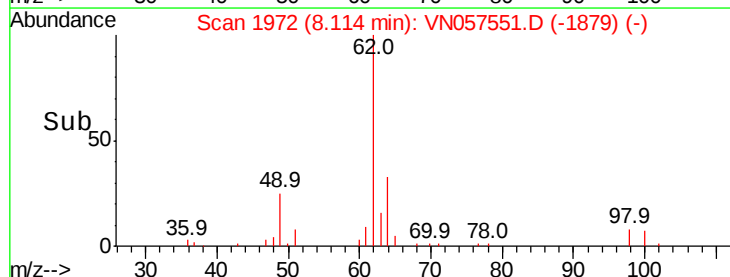
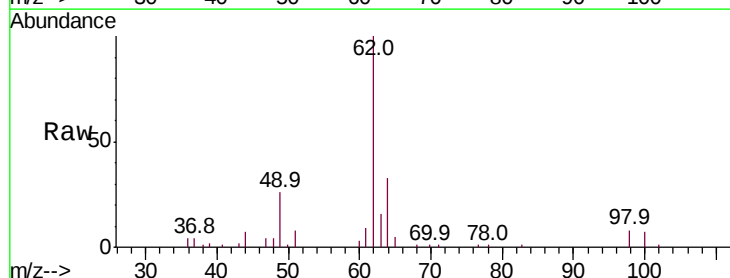
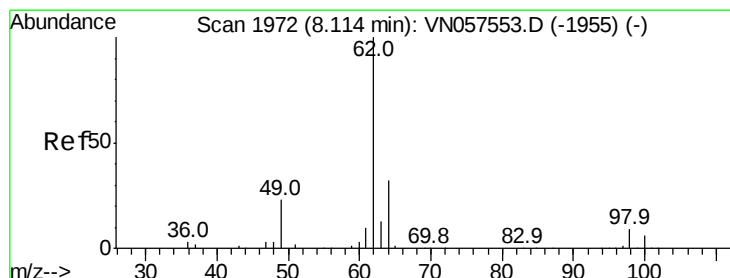
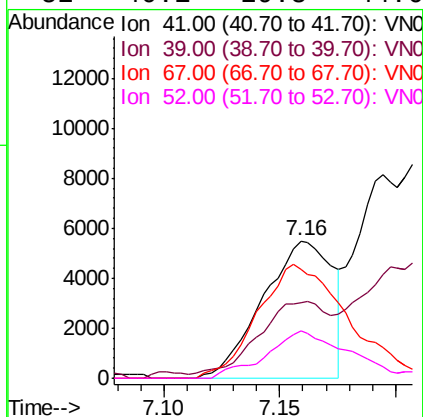
#41
Methacrylonitrile
Concen: 3.845 ug/l
RT: 7.16 min Scan# 1675
Delta R.T. -0.00 min
Lab File: VN057551.D
Acq: 29 Aug 2019 15:48

Tot Ion	Ratio	Lower	Upper
41	100		
39	51.3	53.6	80.4#
67	108.9	65.4	98.2#
52	40.1	29.8	44.6

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

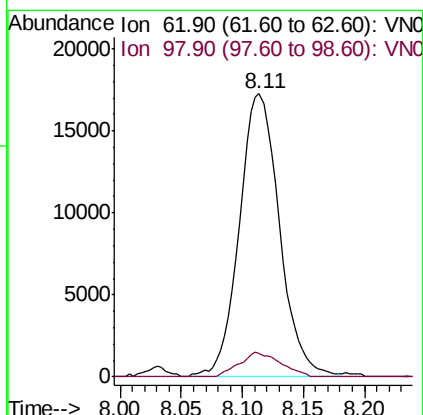
Manual Integrations
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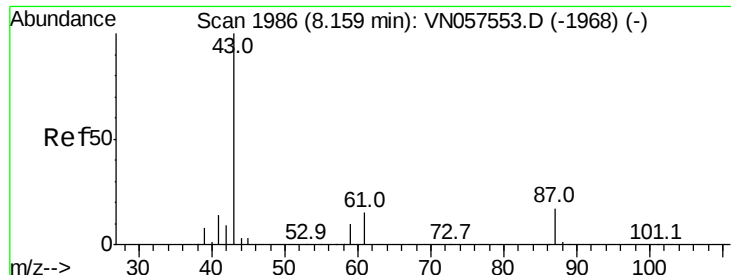
MMDadoda
9/3/2019 2:38:41 AM



#42
1,2-Dichloroethane
Concen: 5.022 ug/l
RT: 8.11 min Scan# 1972
Delta R.T. -0.00 min
Lab File: VN057551.D
Acq: 29 Aug 2019 15:48

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	15.4





#43

Isopropyl Acetate

Concen: 3.675 ug/l

RT: 8.16 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VN057551.D

Acq: 29 Aug 2019 15:48

Instrument :

MSVOA_N

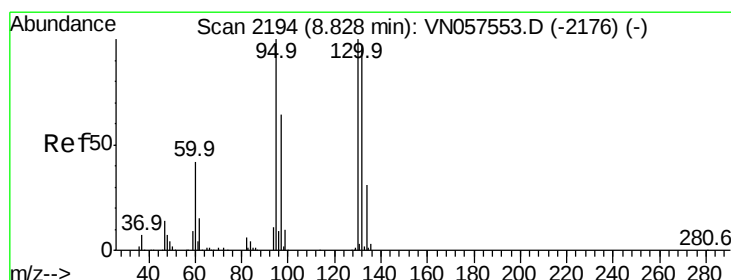
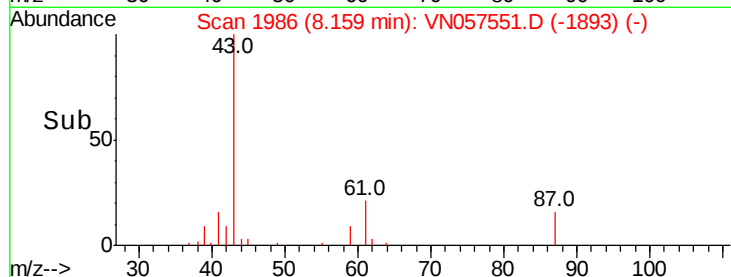
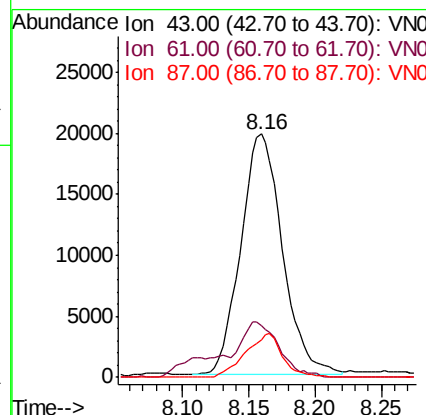
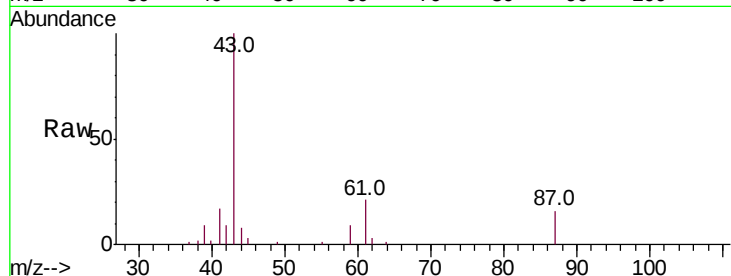
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	42870
Ion	Ratio	Lower	Upper
43	100		
61	20.9	14.5	21.7
87	16.4	8.6	12.8#

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#44

Trichloroethene

Concen: 6.430 ug/l

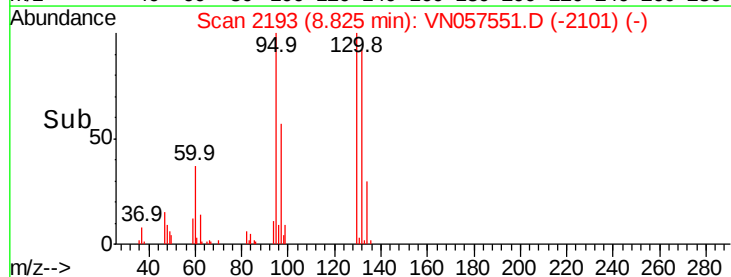
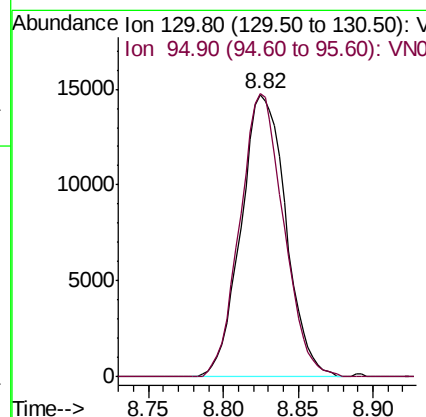
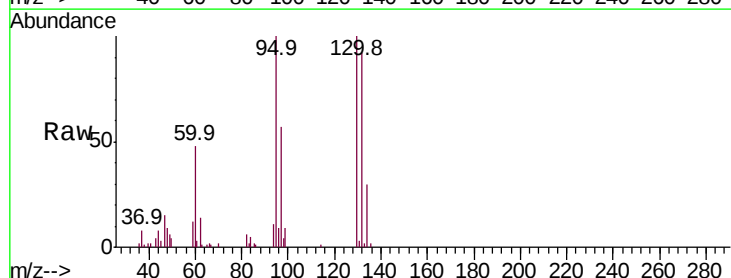
RT: 8.82 min Scan# 2193

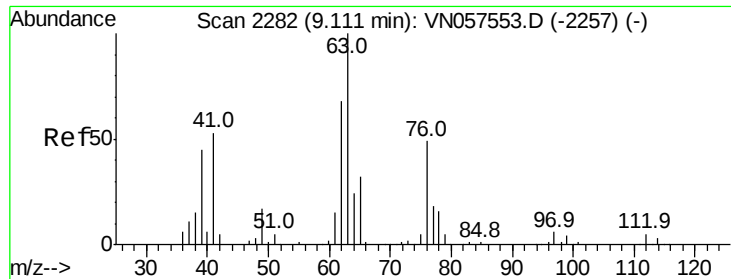
Delta R.T. -0.00 min

Lab File: VN057551.D

Acq: 29 Aug 2019 15:48

Tgt Ion:	130	Resp:	30679
Ion	Ratio	Lower	Upper
130	100		
95	100.2	0.0	231.6





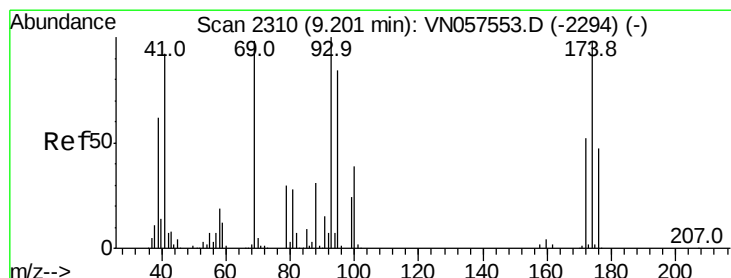
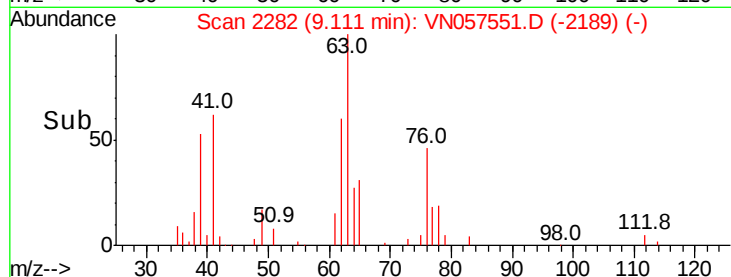
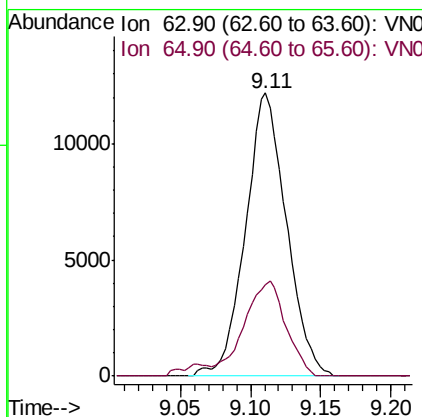
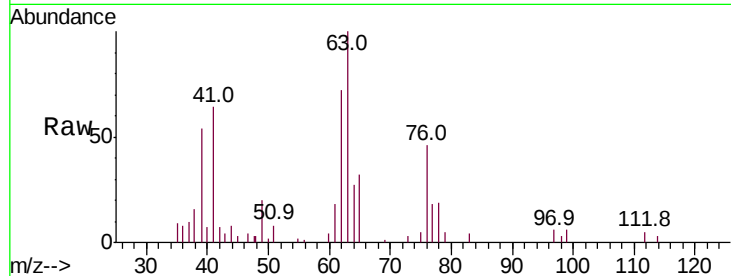
#45
 1,2-Dichloropropane
 Concen: 4.388 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. -0.00 min
 Lab File: VN057551.D
 Acq: 29 Aug 2019 15:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 63 Resp: 24724
 Ion Ratio Lower Upper
 63 100
 65 32.3 24.7 37.1

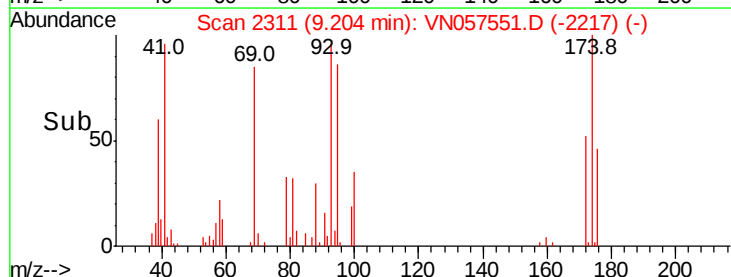
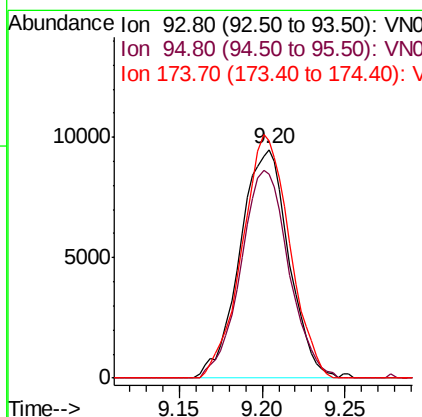
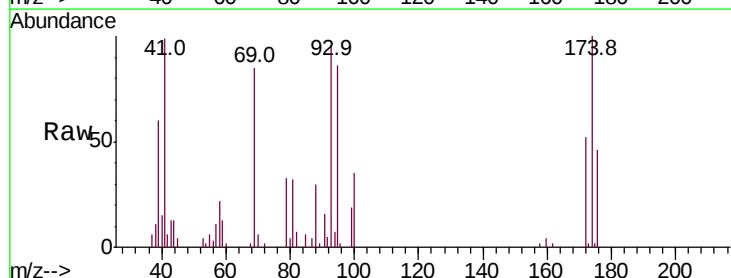
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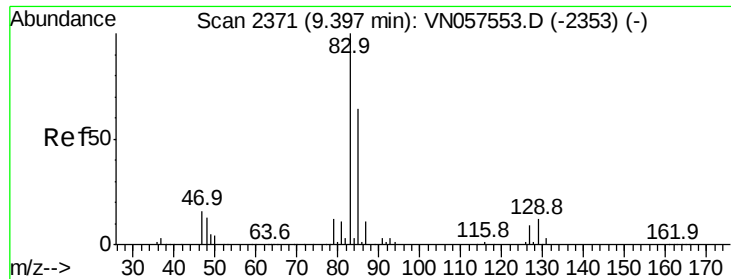
MMDadoda
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#46
 Dibromomethane
 Concen: 5.229 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VN057551.D
 Acq: 29 Aug 2019 15:48

Tgt Ion: 93 Resp: 19475
 Ion Ratio Lower Upper
 93 100
 95 89.2 64.7 97.1
 174 103.2 62.3 93.5#





#47

Bromodichloromethane

Concen: 5.204 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. -0.00 min

Lab File: VN057551.D

Acq: 29 Aug 2019 15:48

Instrument :

MSVOA_N

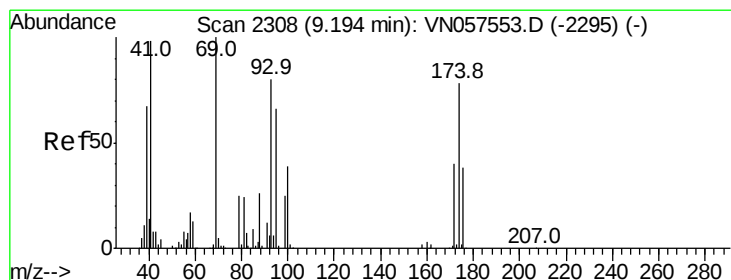
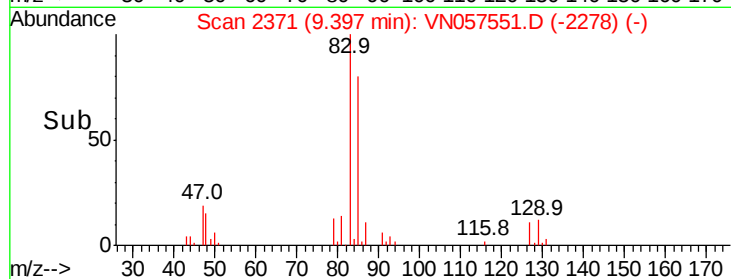
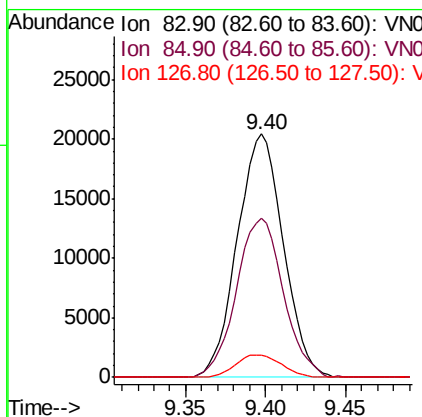
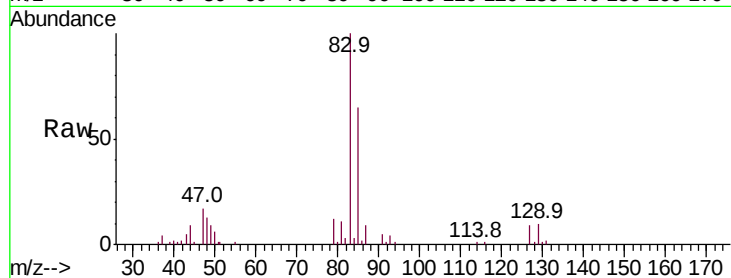
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	40093
Ion Ratio	Lower	Upper	
83	100		
85	65.3	51.2	76.8
127	9.2	6.6	10.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 3.969 ug/l

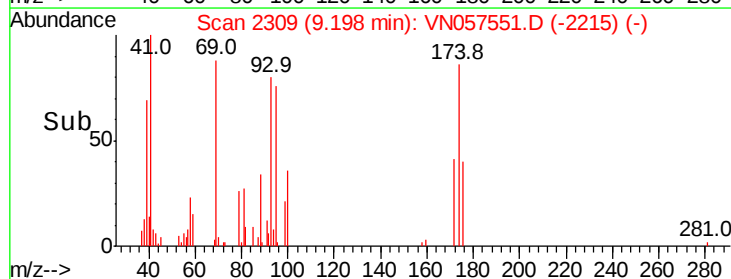
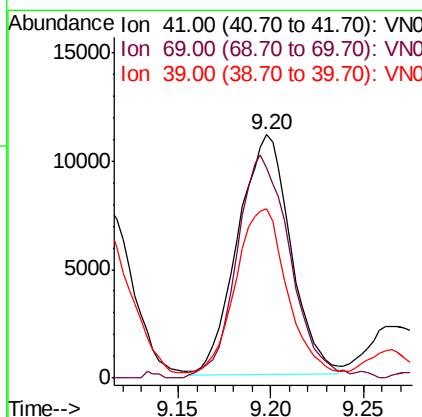
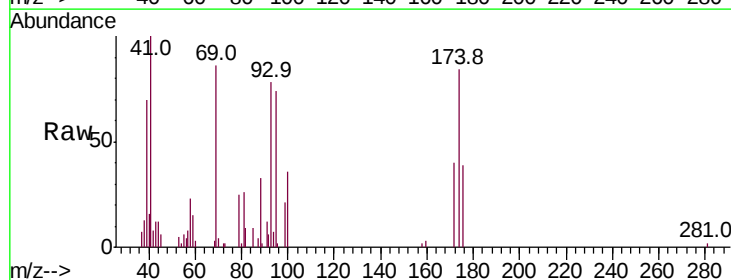
RT: 9.20 min Scan# 2309

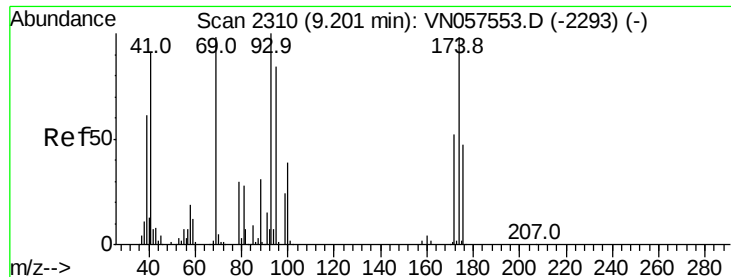
Delta R.T. 0.00 min

Lab File: VN057551.D

Acq: 29 Aug 2019 15:48

Tgt Ion:	41	Resp:	21886
Ion Ratio	Lower	Upper	
41	100		
69	93.4	59.3	88.9#
39	67.9	50.6	75.8





#49

1,4-Dioxane

Concen: 104.325 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. -0.01 min

Lab File: VN057551.D

Acq: 29 Aug 2019 15:48

Instrument :

MSVOA_N

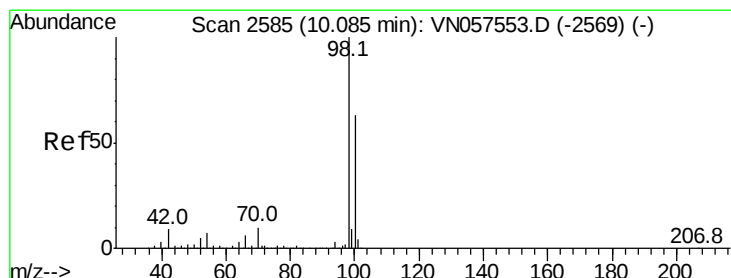
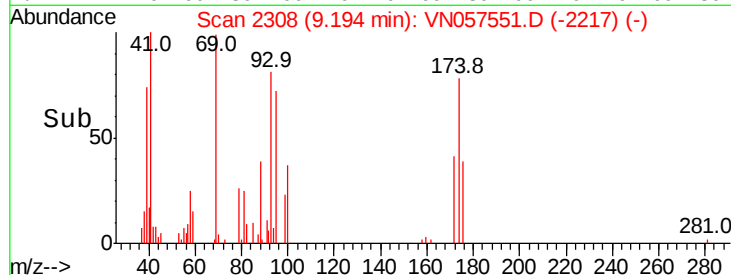
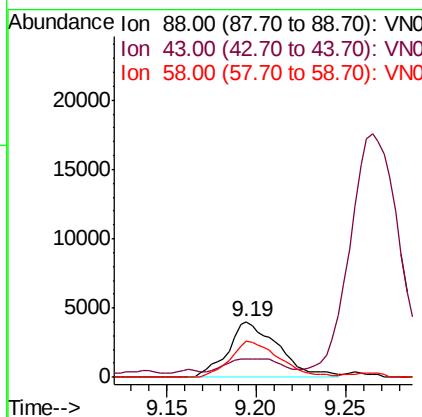
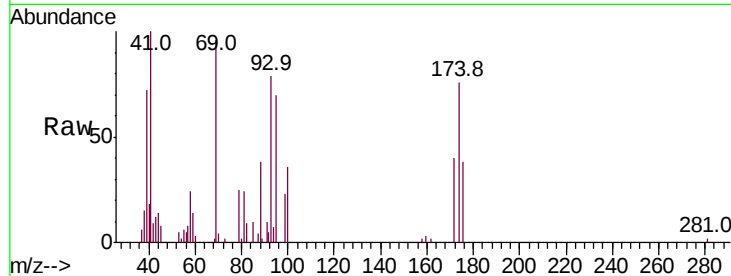
ClientSampleId :

VSTDIC005

Tot Ion:	88	Resp:	7876
Ion	Ratio	Lower	Upper
88	100		
43	23.1	31.0	46.6#
58	63.0	64.5	96.7#

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#50

Toluene-d8

Concen: 5.170 ug/l

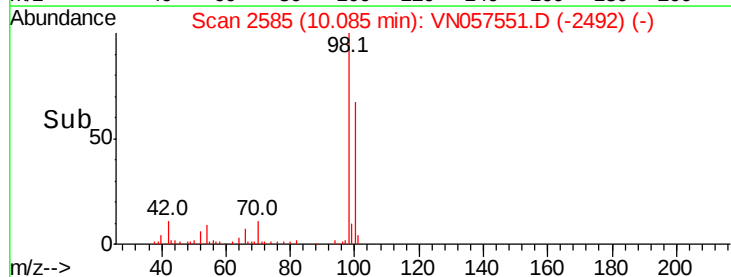
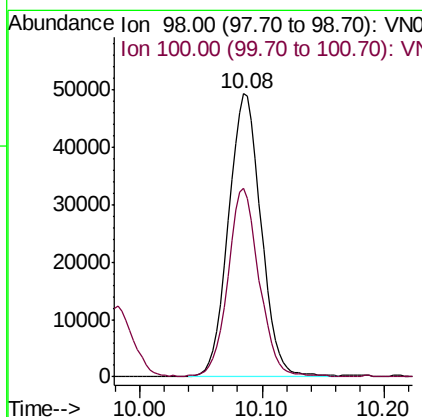
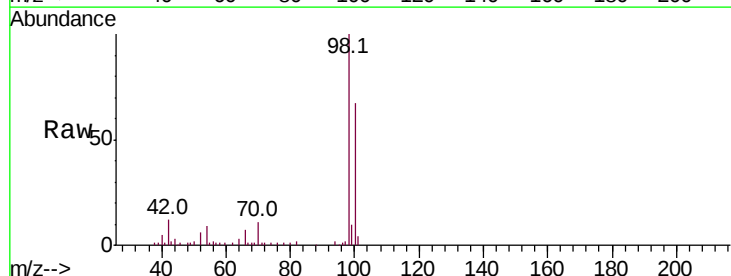
RT: 10.08 min Scan# 2585

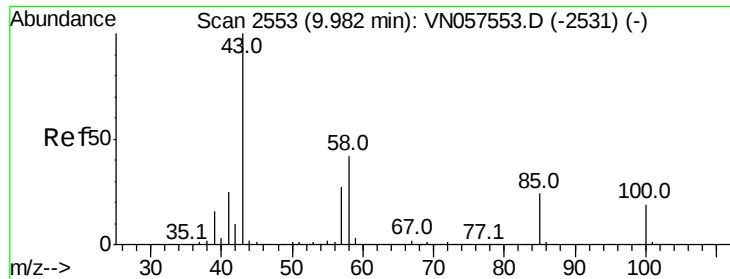
Delta R.T. -0.00 min

Lab File: VN057551.D

Acq: 29 Aug 2019 15:48

Tgt Ion:	98	Resp:	92029
Ion	Ratio	Lower	Upper
98	100		
100	64.1	50.4	75.6





#51

4-Methyl-2-Pentanone

Concen: 18.866 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN057551.D

Acq: 29 Aug 2019 15:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 122231

Ion Ratio Lower Upper

43 100

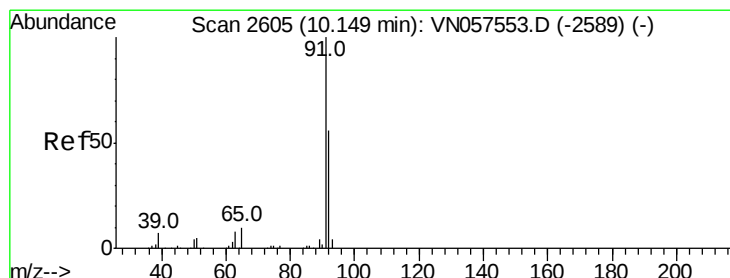
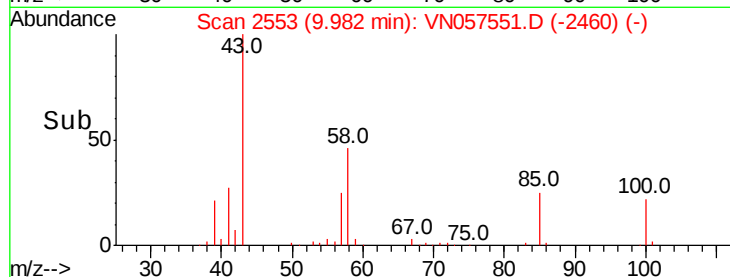
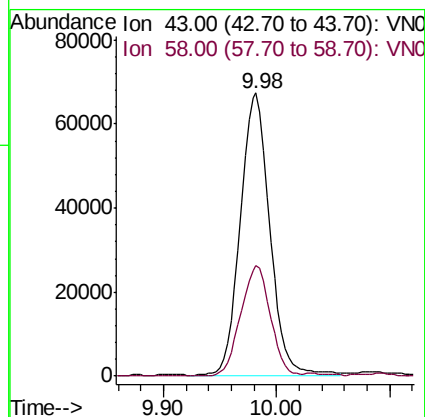
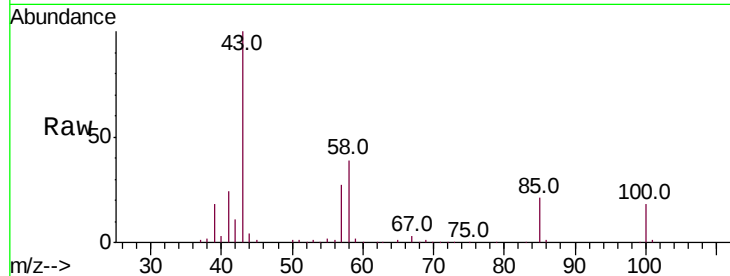
58 39.5 27.9 41.9

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#52

Toluene

Concen: 5.516 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN057551.D

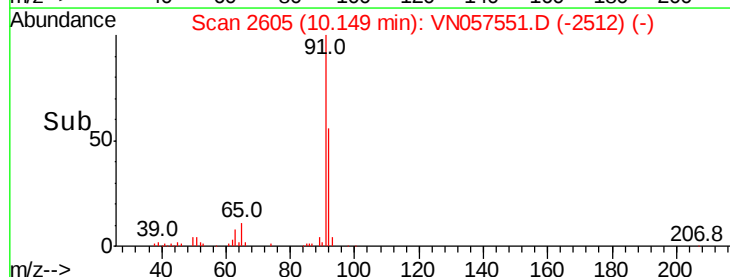
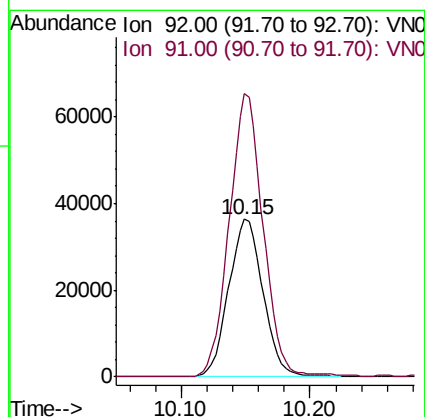
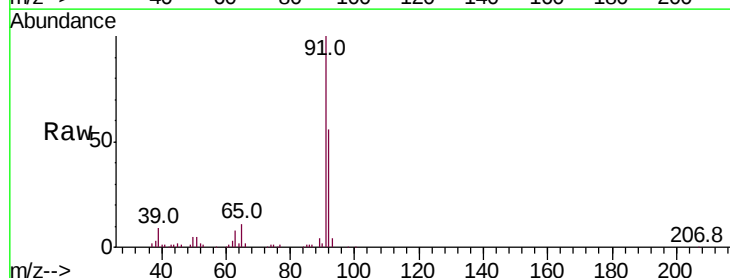
Acq: 29 Aug 2019 15:48

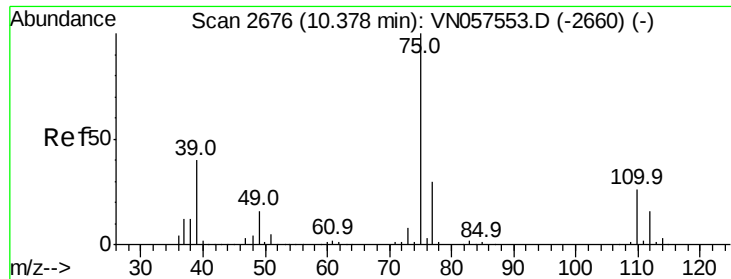
Tgt Ion: 92 Resp: 67215

Ion Ratio Lower Upper

92 100

91 177.1 140.9 211.3





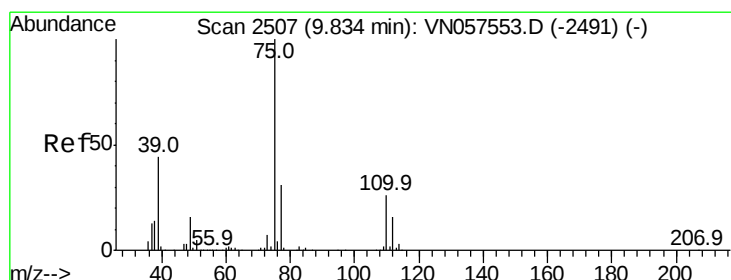
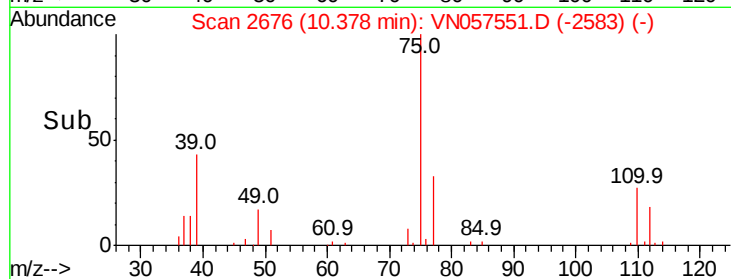
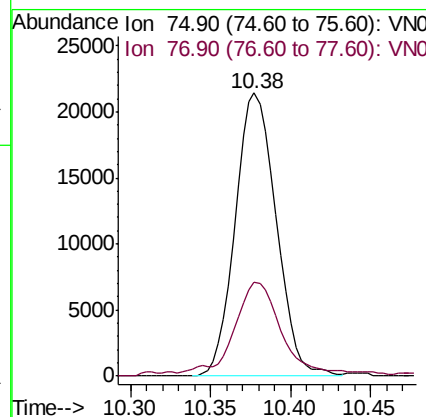
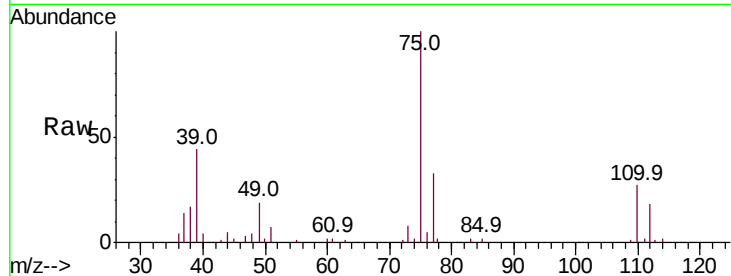
#53
t-1,3-Dichloropropene
Concen: 4.667 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VN057551.D
Acq: 29 Aug 2019 15:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 75 Resp: 37359
Ion Ratio Lower Upper
75 100
77 31.0 25.0 37.6

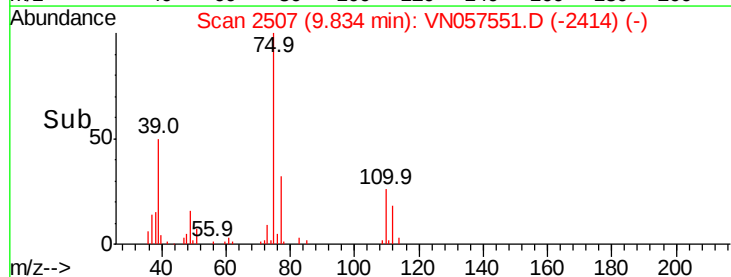
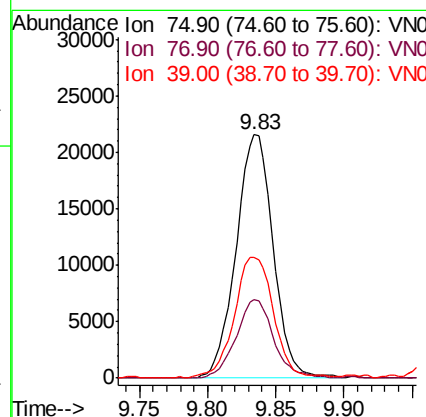
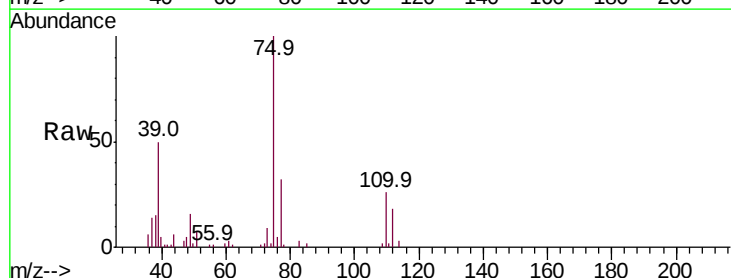
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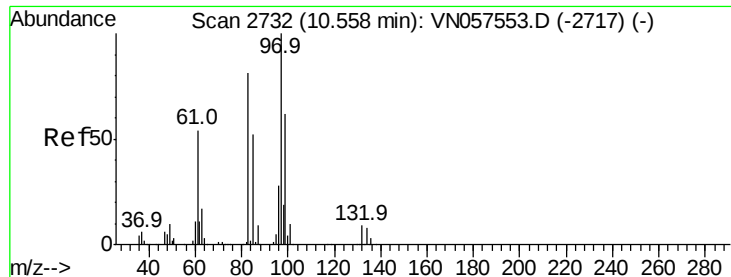
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#54
cis-1,3-Dichloropropene
Concen: 4.590 ug/l
RT: 9.83 min Scan# 2507
Delta R.T. -0.00 min
Lab File: VN057551.D
Acq: 29 Aug 2019 15:48

Tgt Ion: 75 Resp: 40738
Ion Ratio Lower Upper
75 100
77 32.5 25.0 37.6
39 48.9 49.2 73.8#





#55

1,1,2-Trichloroethane

Concen: 5.341 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VN057551.D

Acq: 29 Aug 2019 15:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 97 Resp: 26192

Ion Ratio Lower Upper

97 100

83 92.9 73.7 110.5

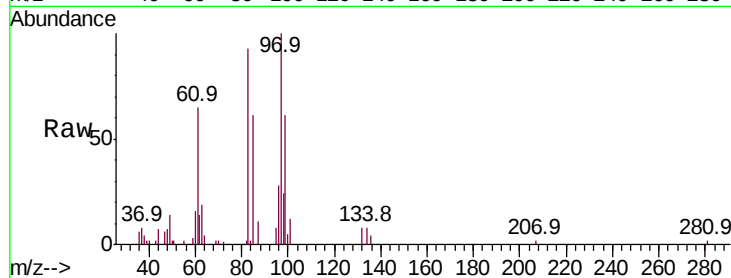
85 61.1 46.8 70.2

99 60.5 49.8 74.8

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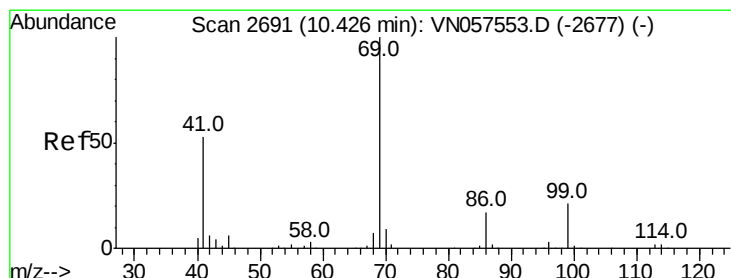
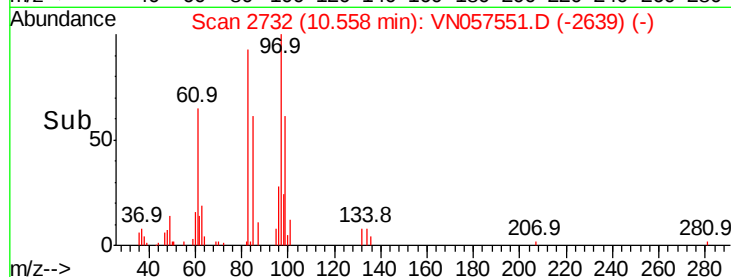
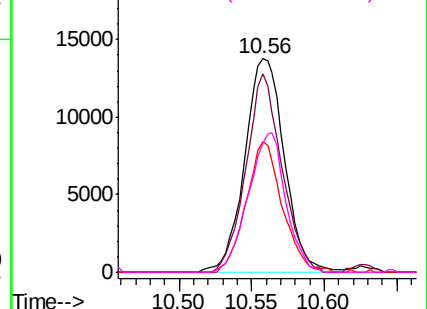
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 4.634 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. -0.00 min

Lab File: VN057551.D

Acq: 29 Aug 2019 15:48

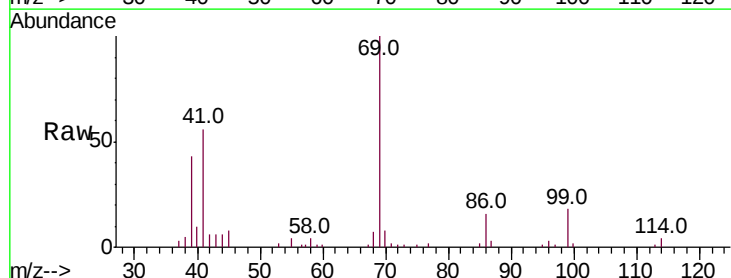
Tgt Ion: 69 Resp: 34422

Ion Ratio Lower Upper

69 100

41 59.1 60.8 91.2#

39 42.3 36.5 54.7

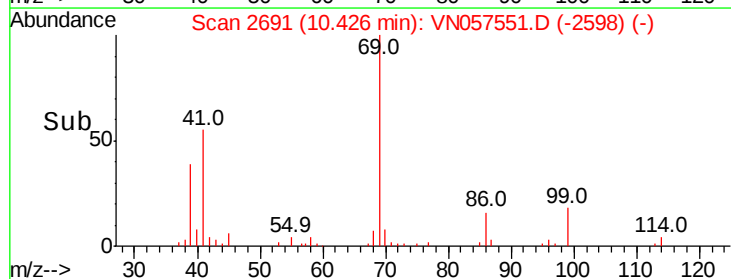
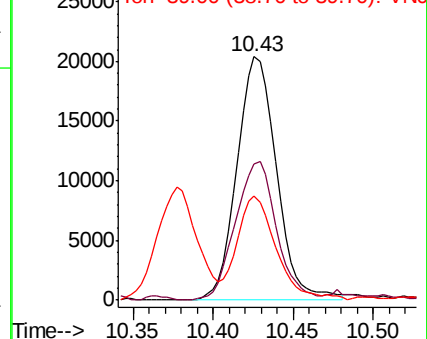


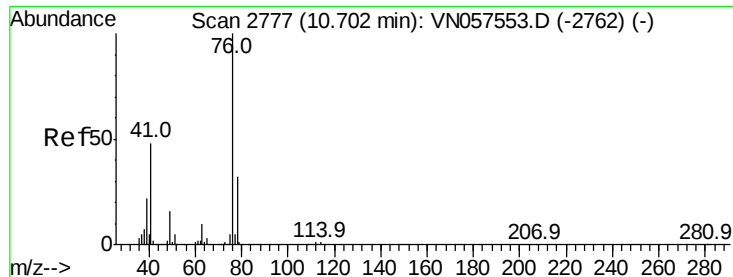
Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 5.143 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. -0.00 min

Lab File: VN057551.D

Acq: 29 Aug 2019 15:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 42825

Ion Ratio Lower Upper

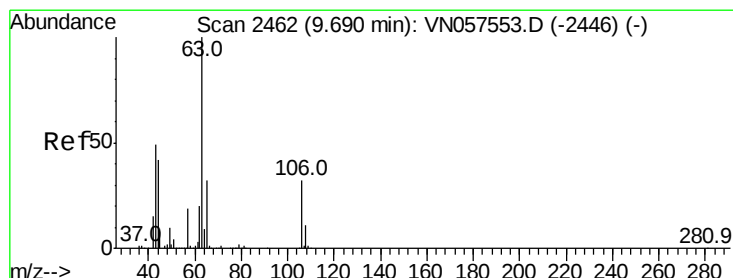
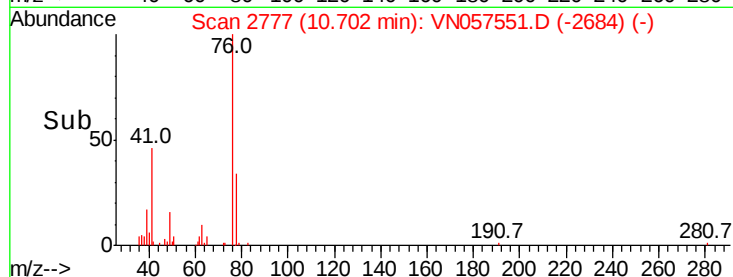
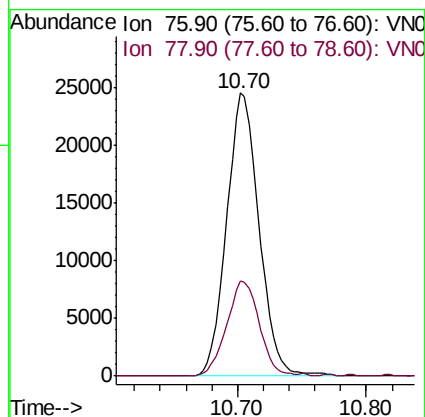
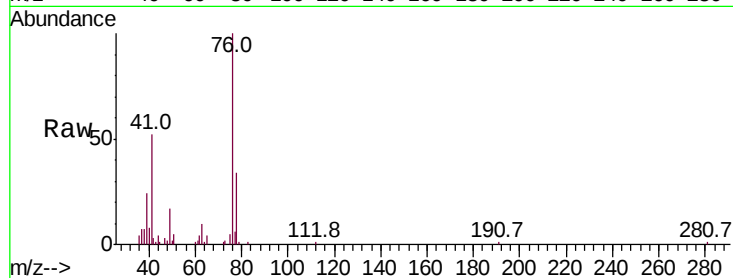
76 100

78 33.9 25.5 38.3

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#58

2-Chloroethyl Vinyl ether

Concen: 21.480 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN057551.D

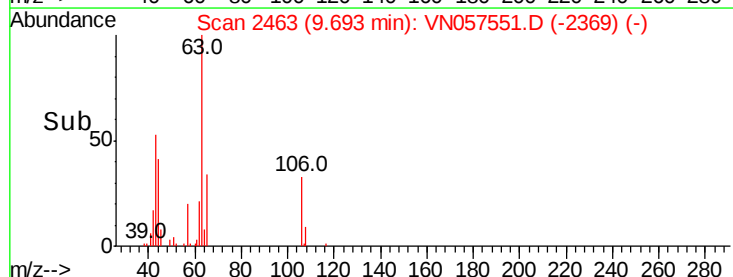
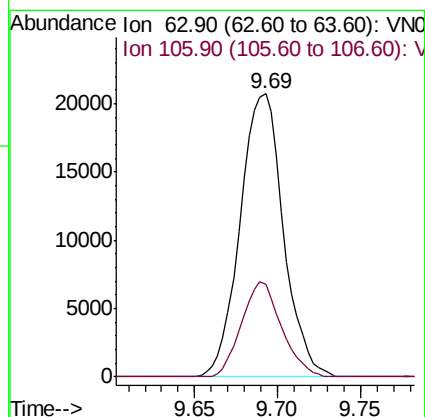
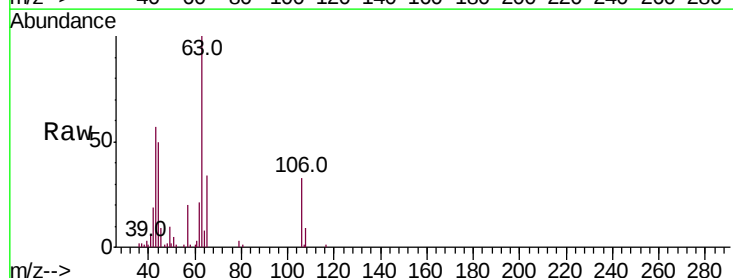
Acq: 29 Aug 2019 15:48

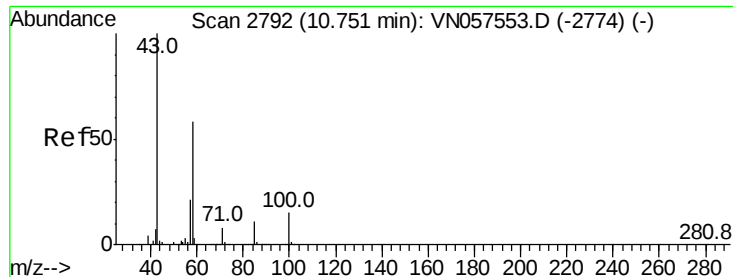
Tgt Ion: 63 Resp: 37726

Ion Ratio Lower Upper

63 100

106 30.9 18.6 27.8#





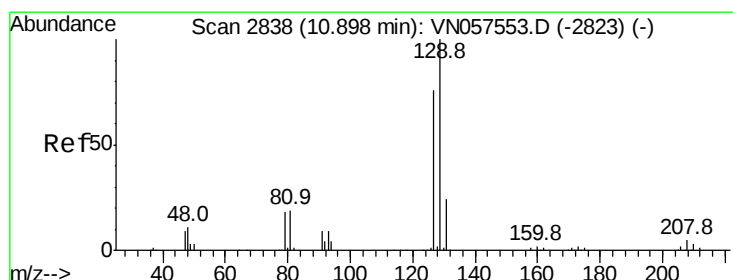
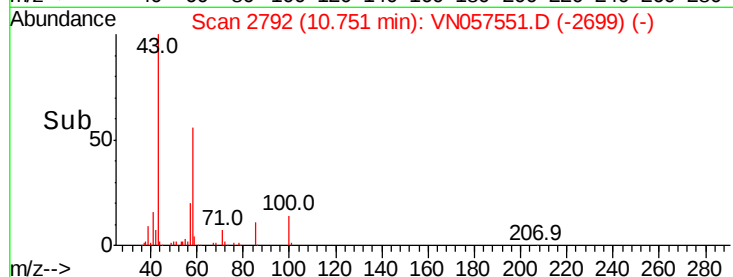
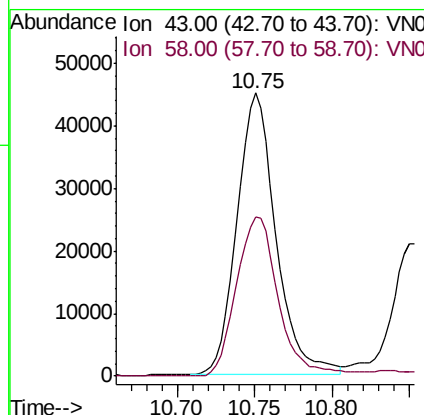
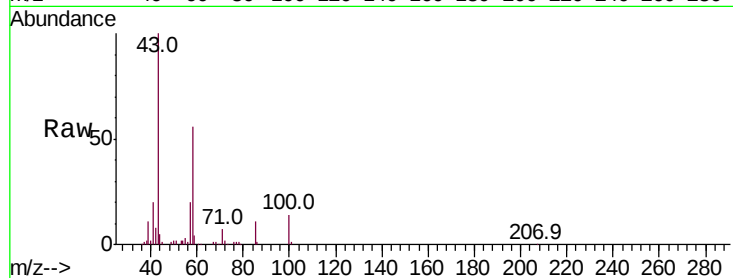
#59
2-Hexanone
Concen: 17.746 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN057551.D
Acq: 29 Aug 2019 15:48

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	43	Resp	79015
Ion Ratio	100	Lower	Upper
58	61.0	24.6	73.6

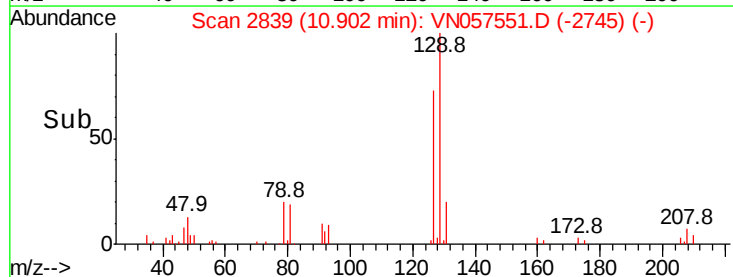
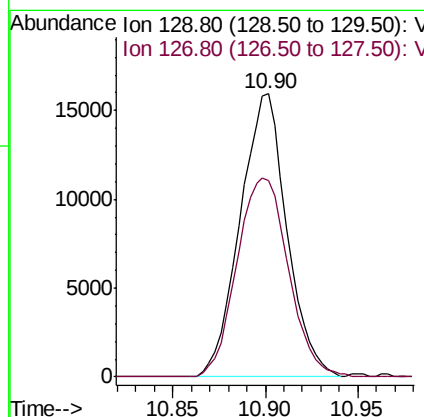
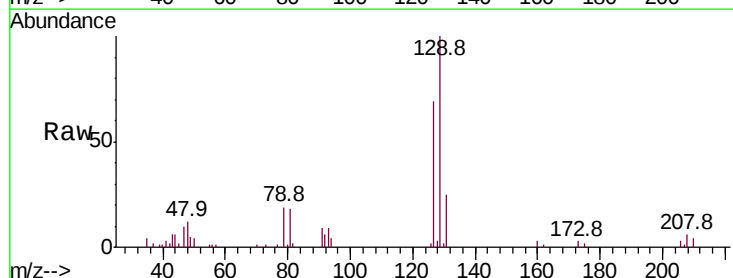
Manual Integrations
APPROVED

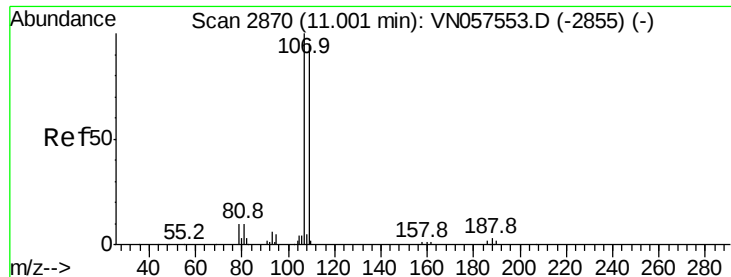
MMDadoda
9/3/2019 2:38:41 AM



#60
Dibromochloromethane
Concen: 5.272 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN057551.D
Acq: 29 Aug 2019 15:48

Tgt Ion	129	Resp	27933
Ion Ratio	100	Lower	Upper
127	77.5	39.0	116.9





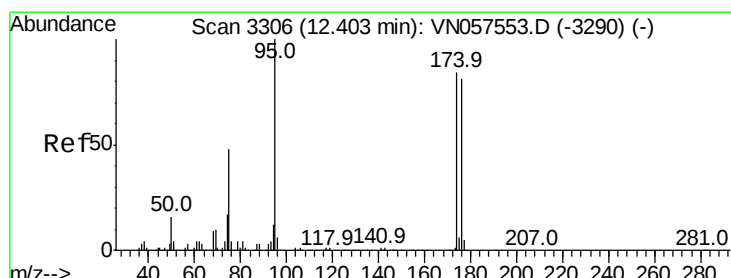
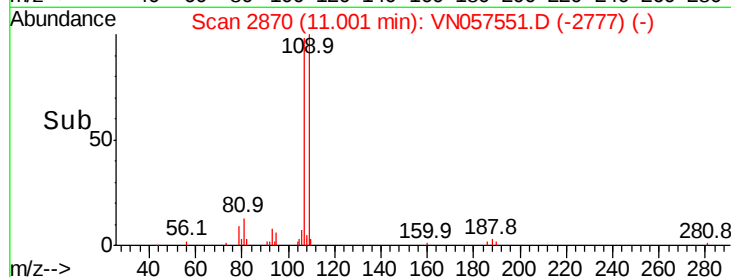
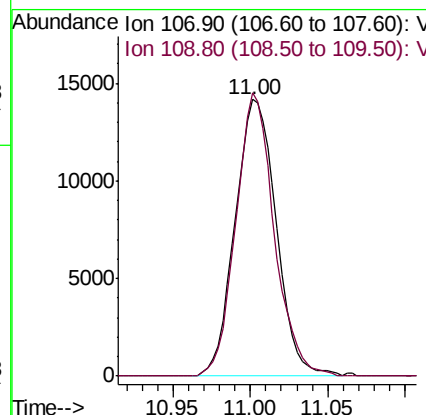
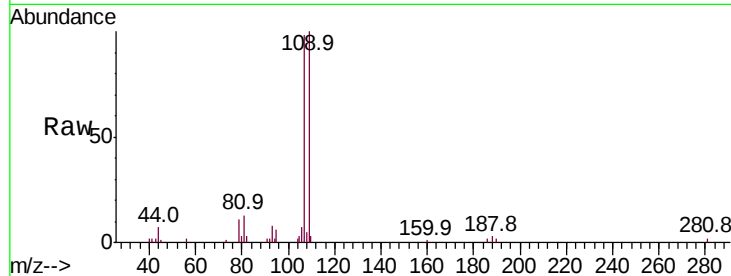
#61
 1,2-Dibromoethane
 Concen: 5.382 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. -0.00 min
 Lab File: VN057551.D
 Acq: 29 Aug 2019 15:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.4	73.8	110.8

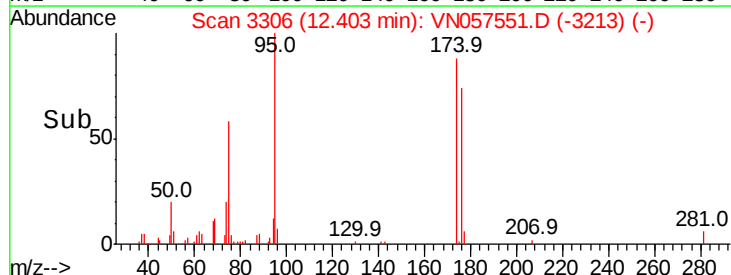
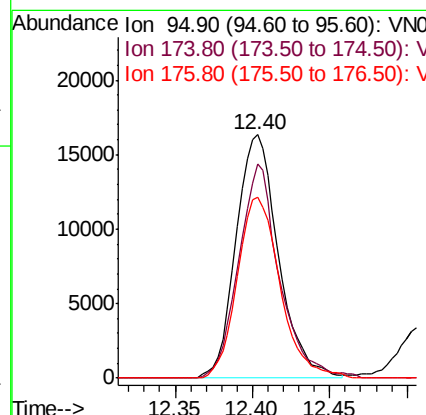
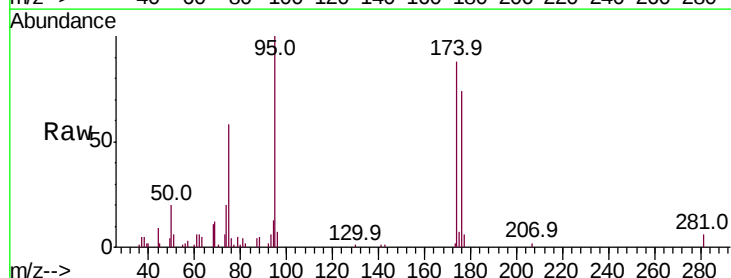
Manual Integrations
 APPROVED

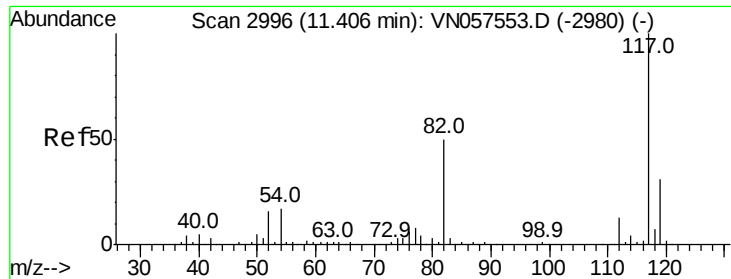
MMDadoda
 9/3/2019 2:38:41 AM



#62
 4-Bromofluorobenzene
 Concen: 5.139 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. -0.00 min
 Lab File: VN057551.D
 Acq: 29 Aug 2019 15:48

Tgt Ion	Ratio	Lower	Upper
95	100		
174	84.7	0.0	133.0
176	75.4	0.0	130.8





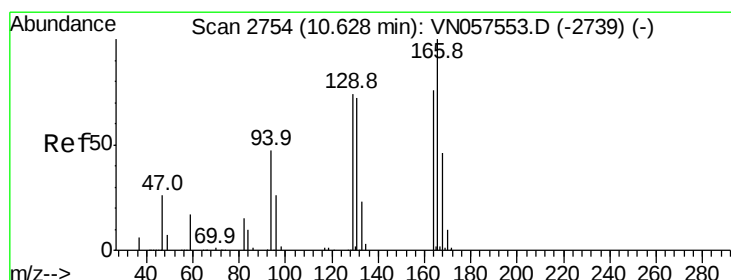
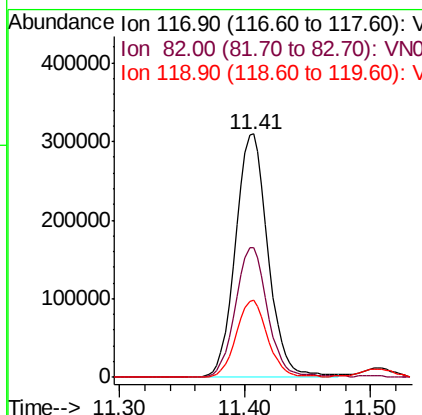
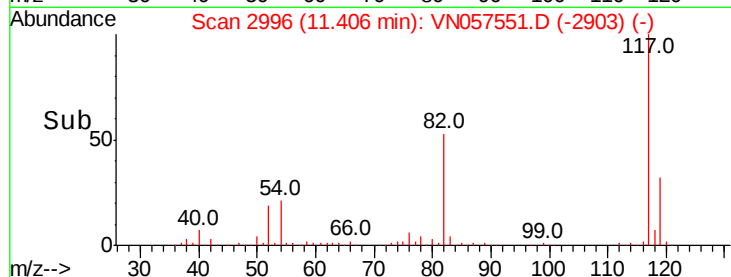
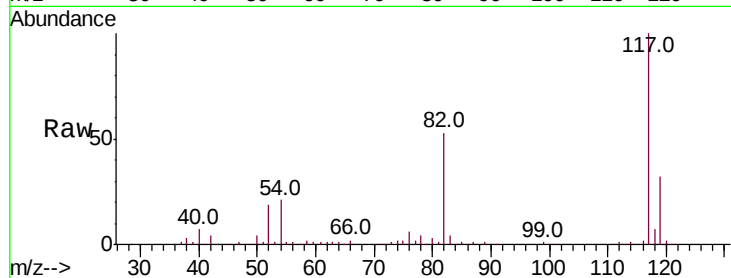
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN057551.D
Acq: 29 Aug 2019 15:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.1	50.6	75.8
119	31.6	24.6	36.8

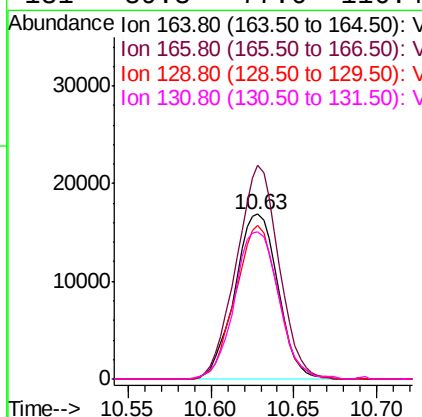
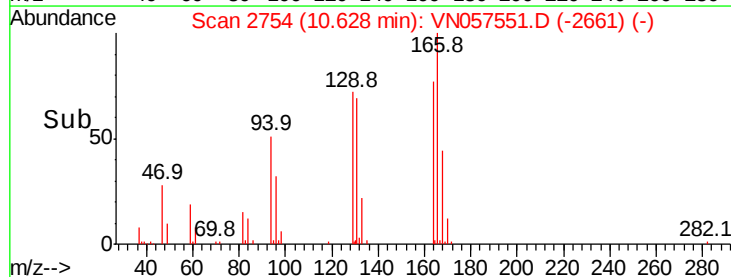
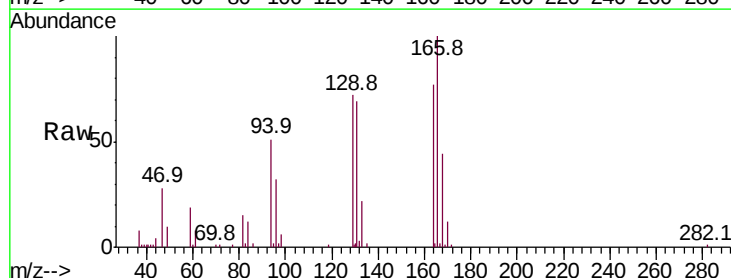
Manual Integrations
APPROVED

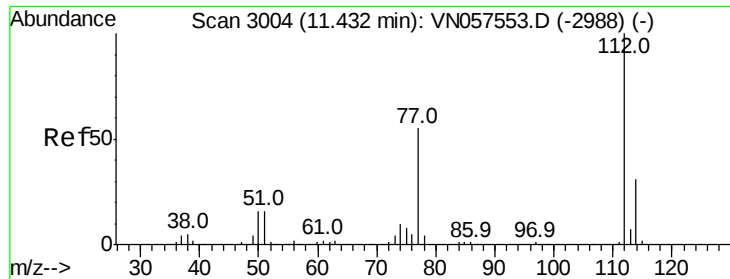
MMDadoda
9/3/2019 2:38:41 AM



#64
Tetrachloroethene
Concen: 7.294 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN057551.D
Acq: 29 Aug 2019 15:48

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.5	104.4	156.6
129	93.3	86.6	130.0
131	89.3	77.6	116.4





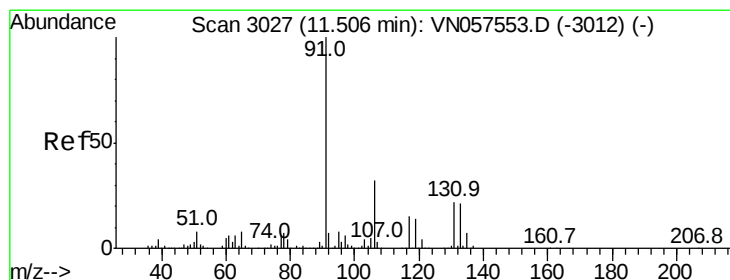
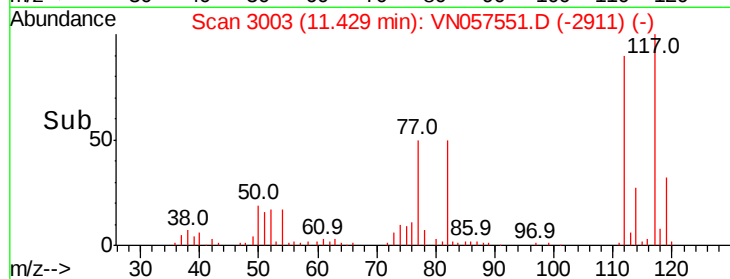
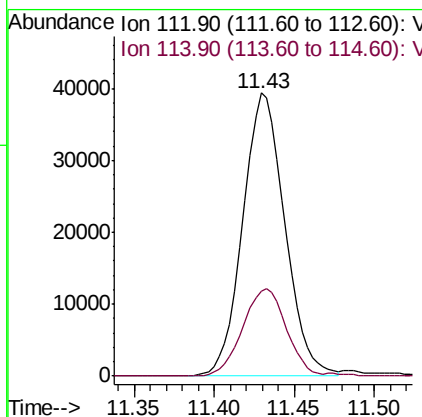
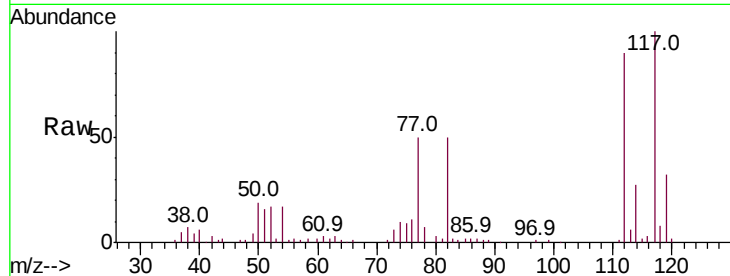
#65
Chlorobenzene
Concen: 5.928 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN057551.D
Acq: 29 Aug 2019 15:48

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion:112 Resp: 70654
Ion Ratio Lower Upper
112 100
114 30.1 24.8 37.2

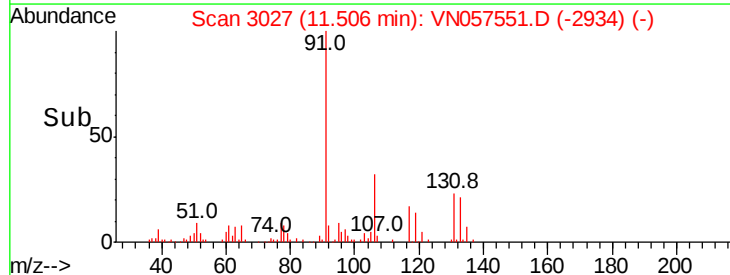
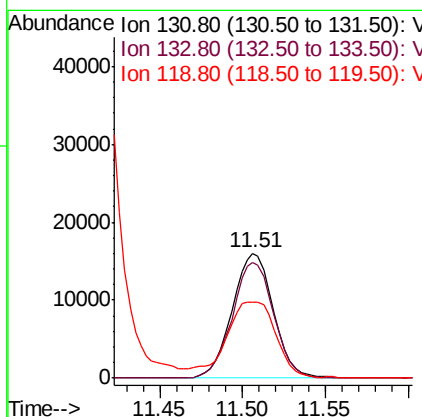
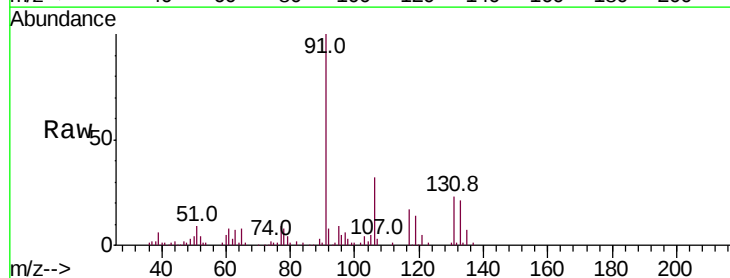
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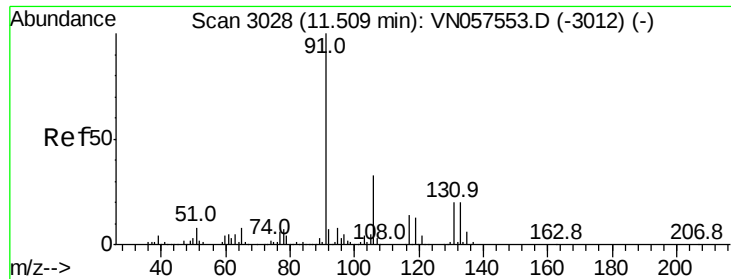
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 6.009 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN057551.D
Acq: 29 Aug 2019 15:48

Tgt Ion:131 Resp: 27618
Ion Ratio Lower Upper
131 100
133 93.2 47.6 142.8
119 71.7 34.4 103.2





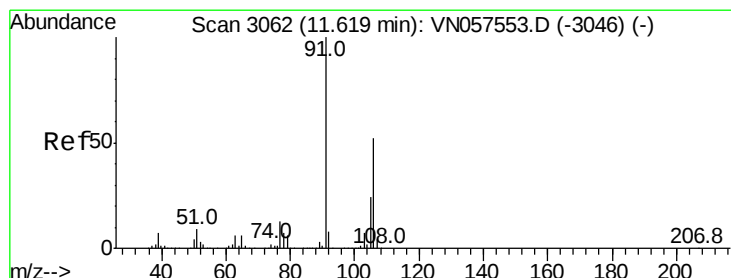
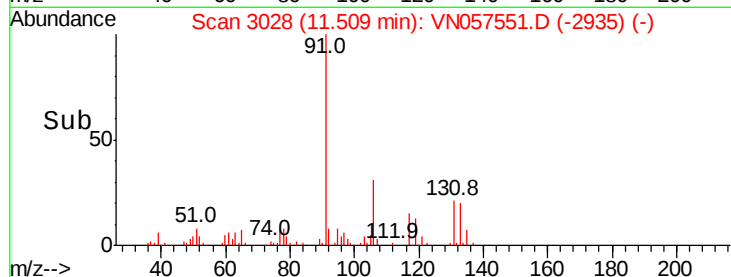
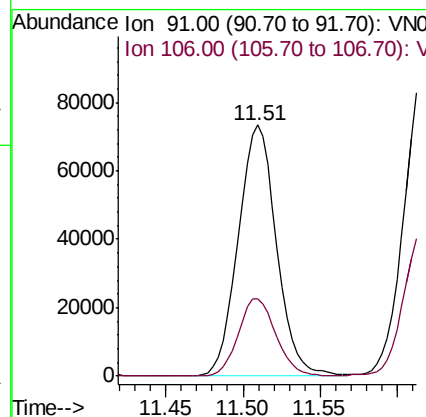
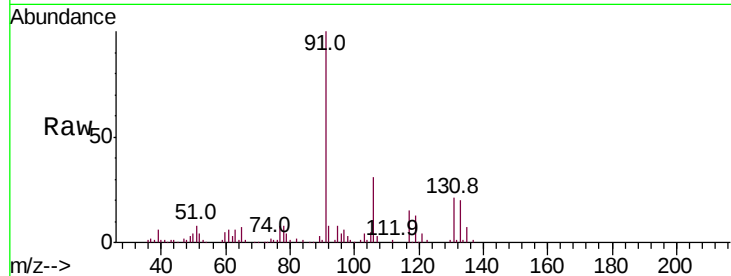
#67
Ethyl Benzene
Concen: 5.564 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN057551.D
Acq: 29 Aug 2019 15:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 91 Resp: 125999
Ion Ratio Lower Upper
91 100
106 30.7 24.1 36.1

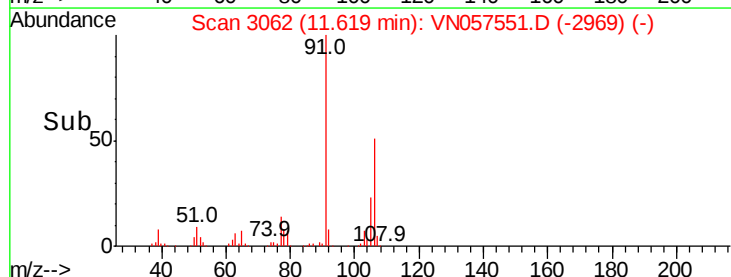
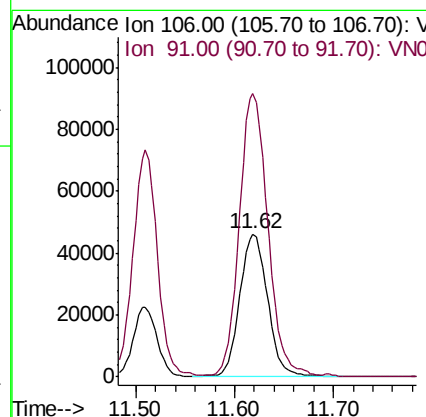
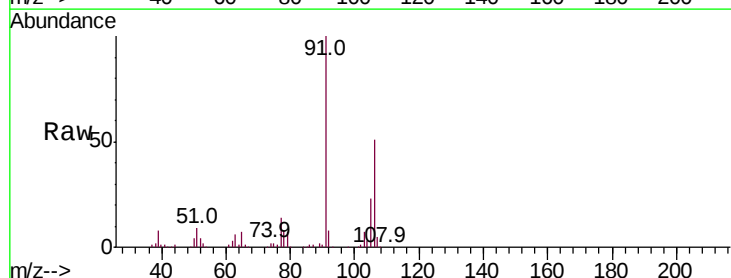
Manual Integrations
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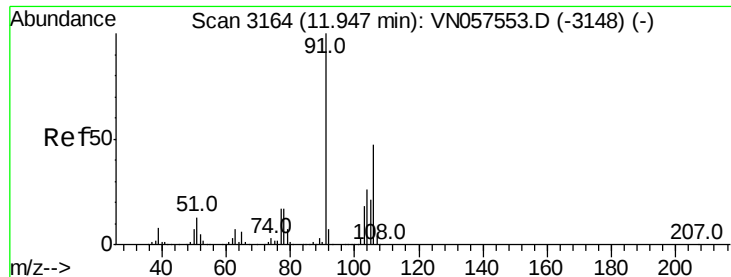
MMDadoda
9/3/2019 2:38:41 AM



#68
m/p-Xylenes
Concen: 11.594 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN057551.D
Acq: 29 Aug 2019 15:48

Tgt Ion: 106 Resp: 91245
Ion Ratio Lower Upper
106 100
91 198.7 171.8 257.6





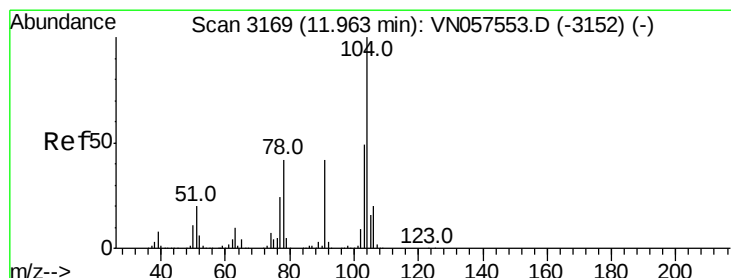
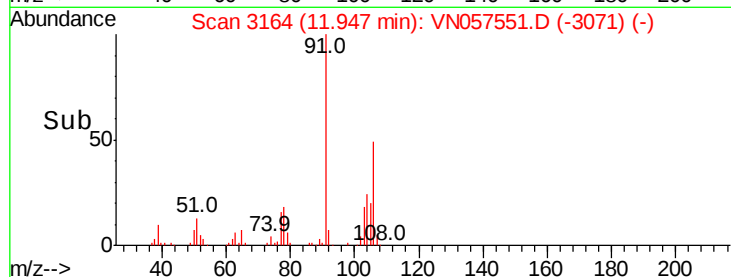
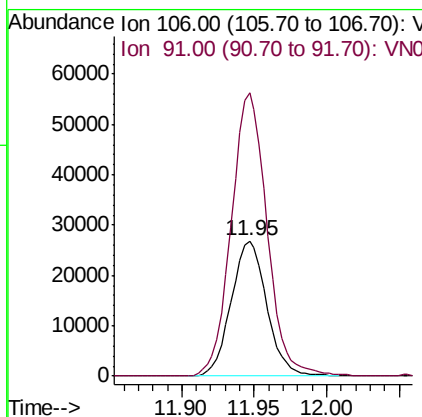
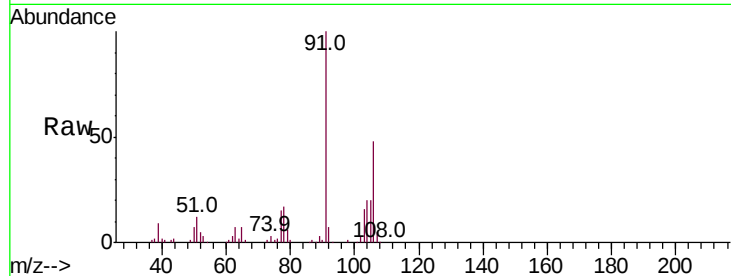
#69
o-Xylene
Concen: 5.878 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN057551.D
Acq: 29 Aug 2019 15:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
106	100		
91	210.9	112.3	336.9

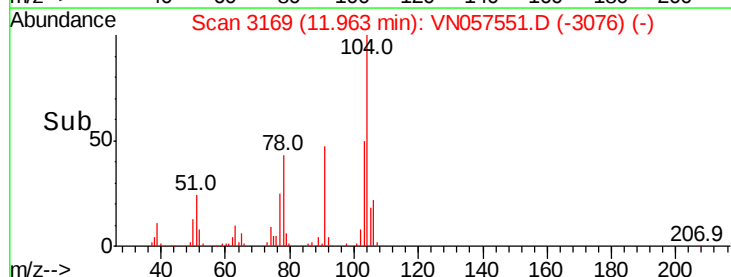
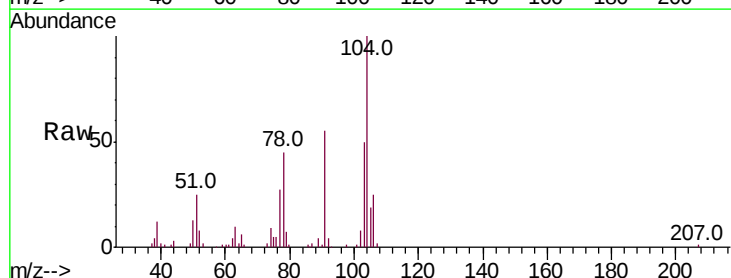
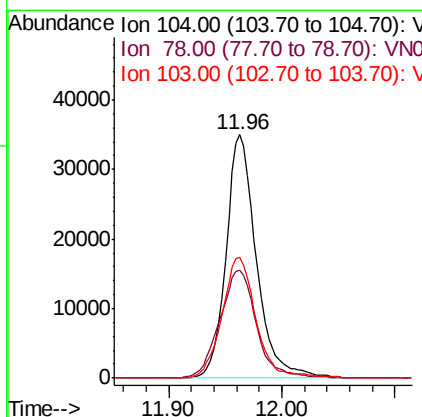
Manual Integrations
APPROVED

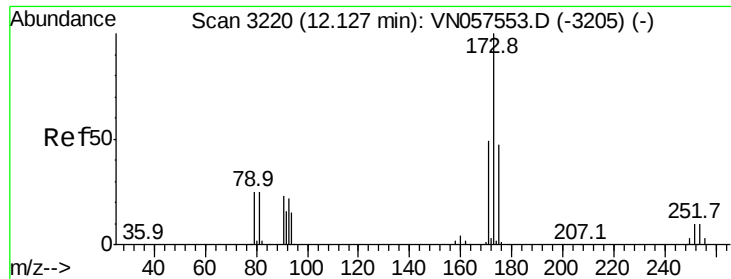
MMDadoda
9/3/2019 2:38:41 AM



#70
Styrene
Concen: 5.291 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN057551.D
Acq: 29 Aug 2019 15:48

Tgt Ion	Ratio	Lower	Upper
104	100		
78	53.6	44.7	67.1
103	55.7	44.4	66.6





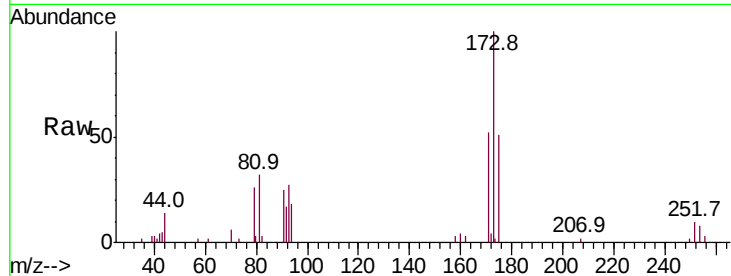
#71
Bromoform
Concen: 5.406 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN057551.D
Acq: 29 Aug 2019 15:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.2	23.9	71.8
254	0.0	0.1	0.1#

Manual Integrations
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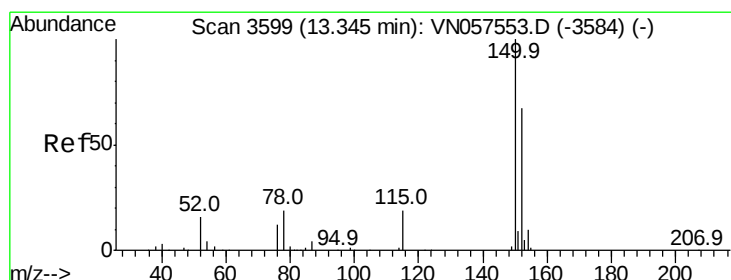
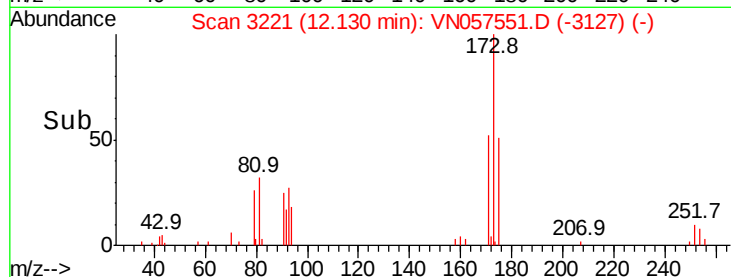
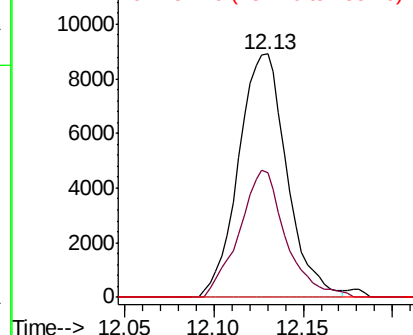


Abundance

Ion 172.70 (172.40 to 173.40): V

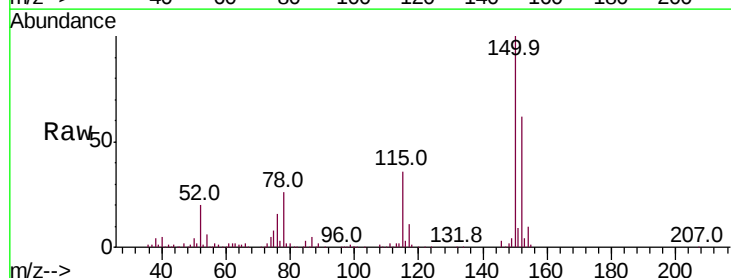
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN057551.D
Acq: 29 Aug 2019 15:48

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.0	32.0	96.0
150	161.6	0.0	346.6

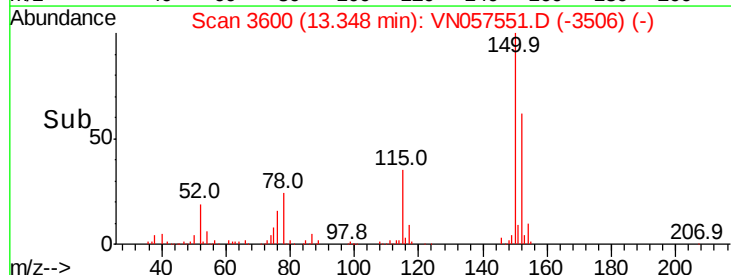
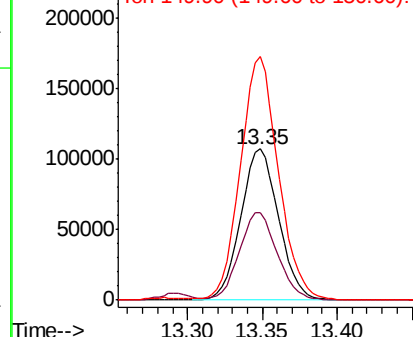


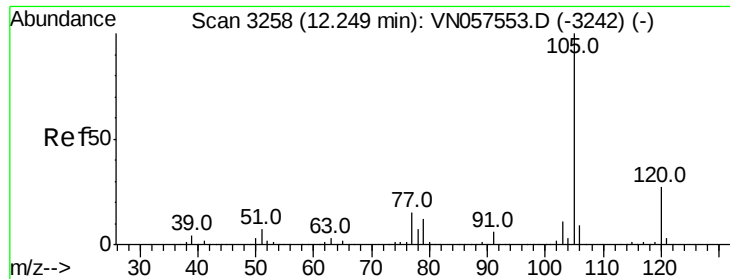
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 5.654 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN057551.D

Acq: 29 Aug 2019 15:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 119399

Ion Ratio Lower Upper

105 100

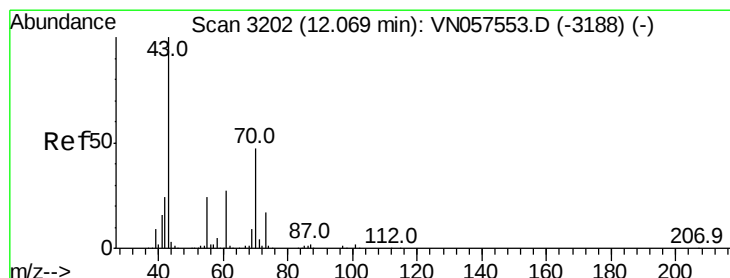
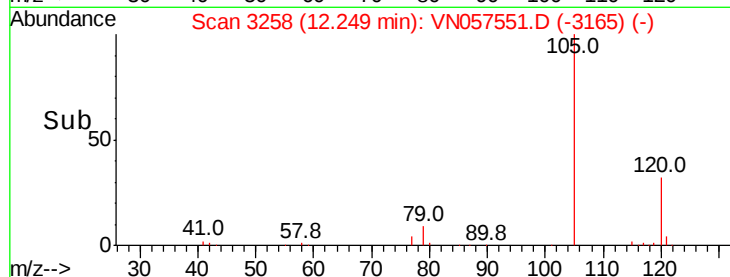
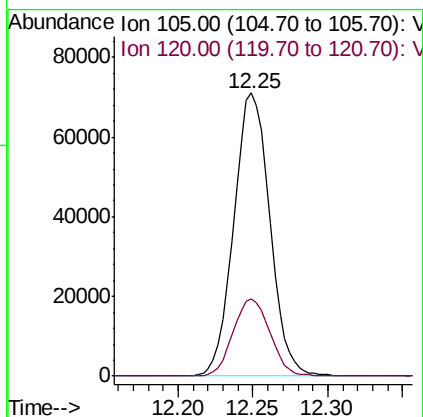
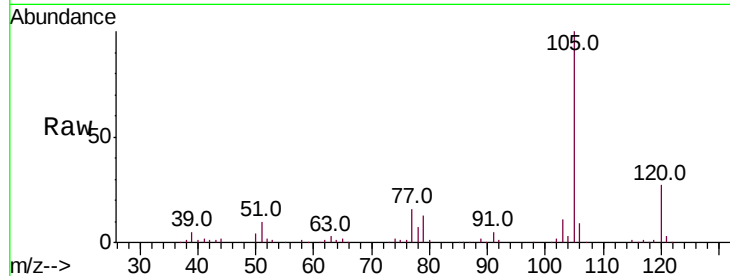
120 28.1 12.7 38.0

Manual Integrations

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9/3/2019 2:38:41 AM



#74

N-ethyl acetate

Concen: 3.388 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN057551.D

Acq: 29 Aug 2019 15:48

Tgt Ion: 43 Resp: 30626

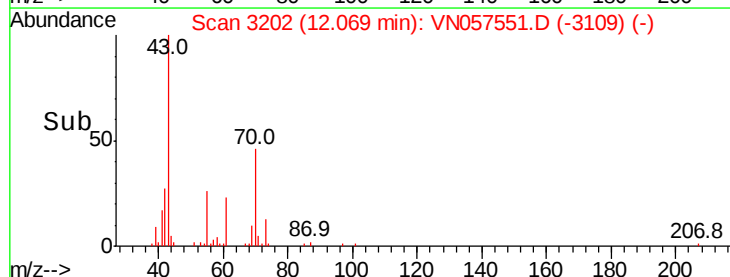
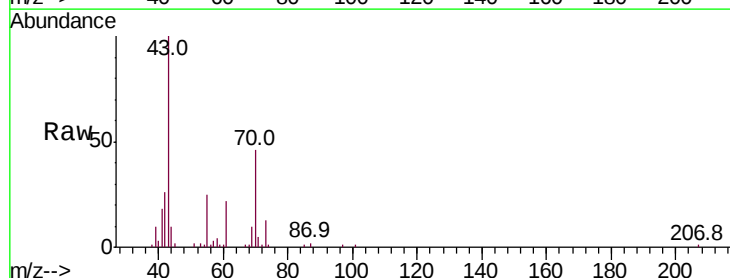
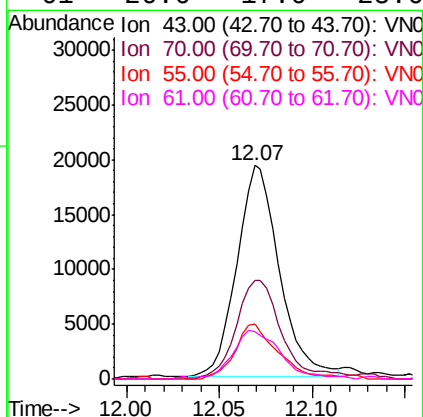
Ion Ratio Lower Upper

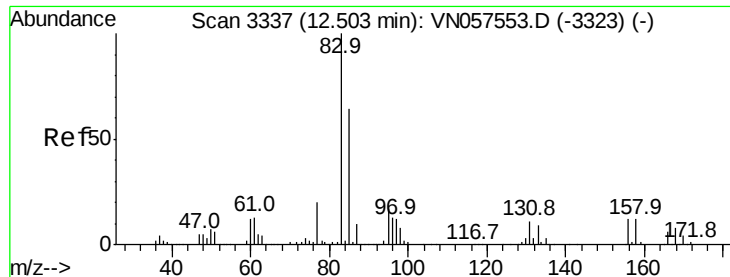
43 100

70 50.3 27.8 41.6#

55 26.3 17.0 25.4#

61 26.6 17.0 25.6#





#75

1,1,2,2-Tetrachloroethane

Concen: 4.741 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN057551.D

Acq: 29 Aug 2019 15:48

Instrument :

MSVOA_N

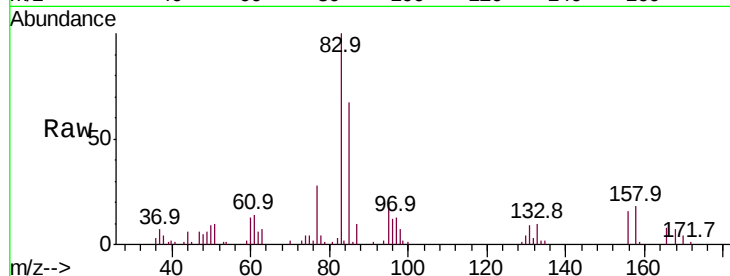
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	28715
Ion Ratio	Lower	Upper	
83	100		
131	10.3	4.3	13.1
85	64.9	32.3	96.8

Manual Integrations
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9/3/2019 2:38:41 AM

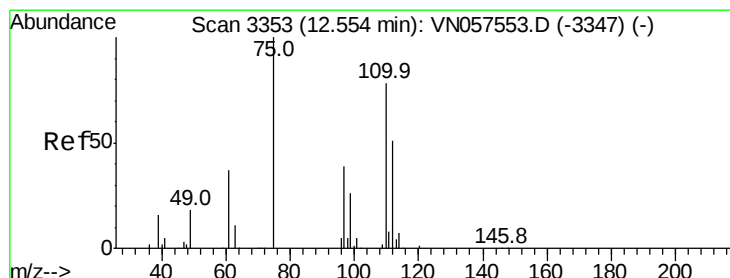
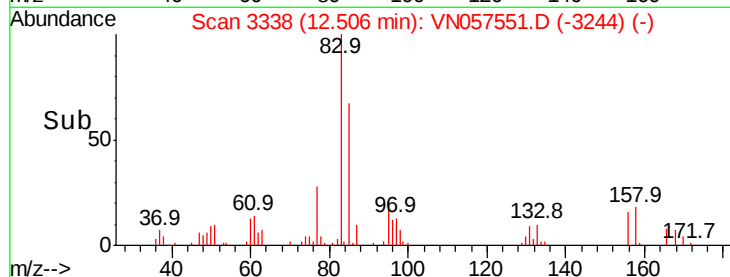


Abundance Ion 82.90 (82.60 to 83.60): VN057551.D (-3337) (-)

Ion 130.80 (130.50 to 131.50): VN057551.D (-3337) (-)

Ion 84.90 (84.60 to 85.60): VN057551.D (-3337) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 6.244 ug/l m

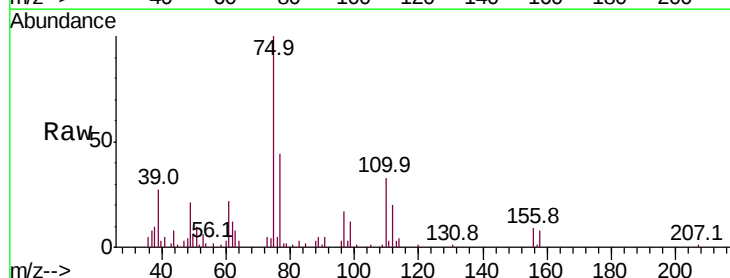
RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN057551.D

Acq: 29 Aug 2019 15:48

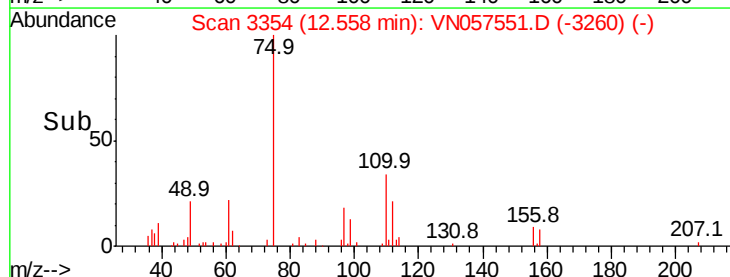
Tgt Ion:	75	Resp:	29241
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0

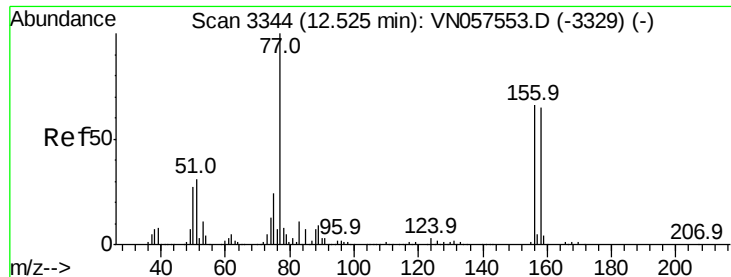


Abundance Ion 74.90 (74.60 to 75.60): VN057551.D (-3353) (-)

Ion 77.00 (76.70 to 77.70): VN057551.D (-3353) (-)

Time-->





#77

Bromobenzene

Concen: 6.164 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN057551.D

Acq: 29 Aug 2019 15:48

Instrument :

MSVOA_N

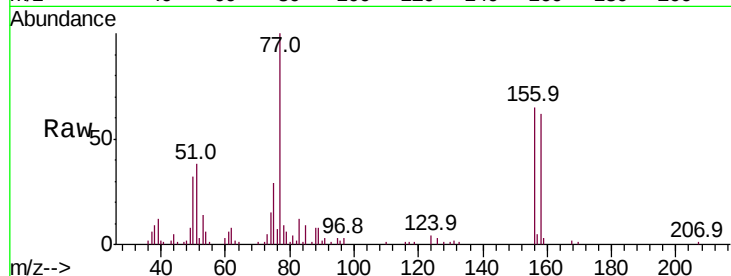
ClientSampleId :

VSTDIC005

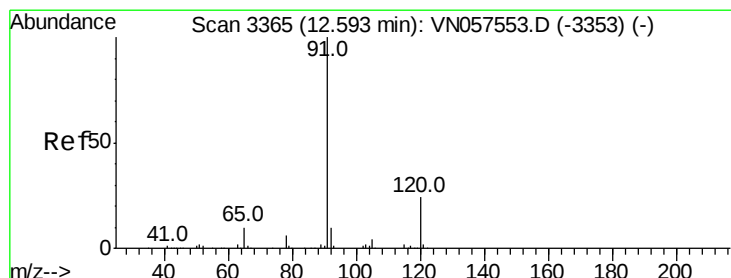
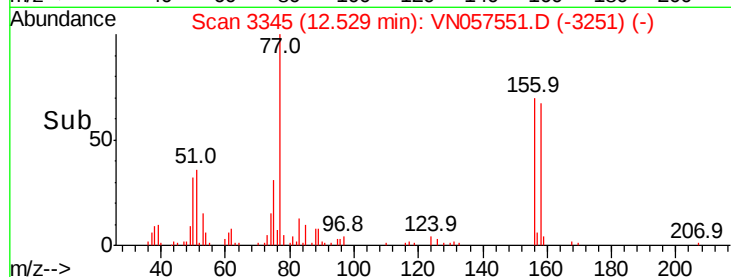
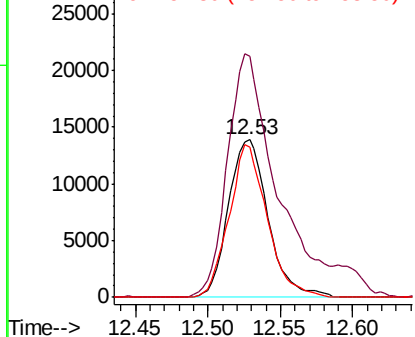
Tot Ion:	156	Resp:	26440
Ion	Ratio	Lower	Upper
156	100		
77	204.7	124.4	373.3
158	92.9	48.3	144.8

Manual Integrations
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Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VN
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 5.269 ug/l

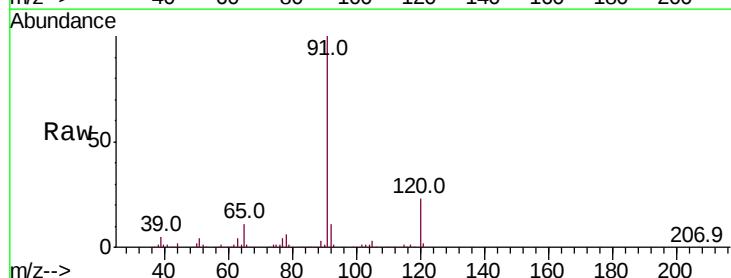
RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

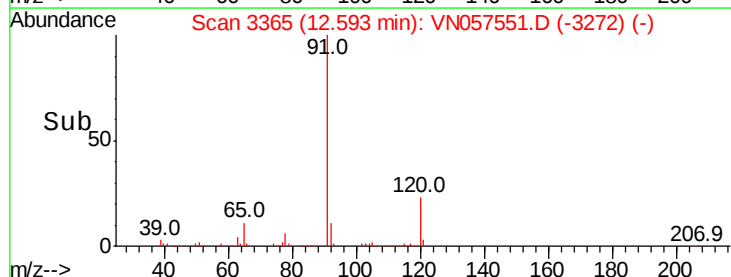
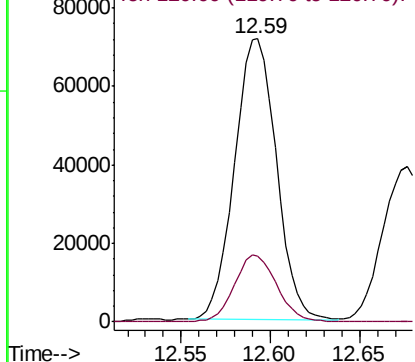
Lab File: VN057551.D

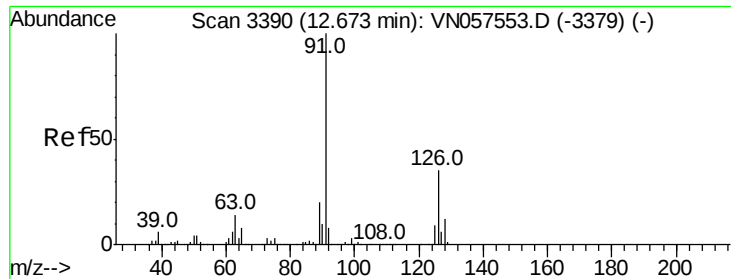
Acq: 29 Aug 2019 15:48

Tgt Ion:	91	Resp:	117170
Ion	Ratio	Lower	Upper
91	100		
120	24.1	10.7	32.1



Abundance Ion 91.00 (90.70 to 91.70): VN
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 5.229 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN057551.D

Acq: 29 Aug 2019 15:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 69295

Ion Ratio Lower Upper

91 100

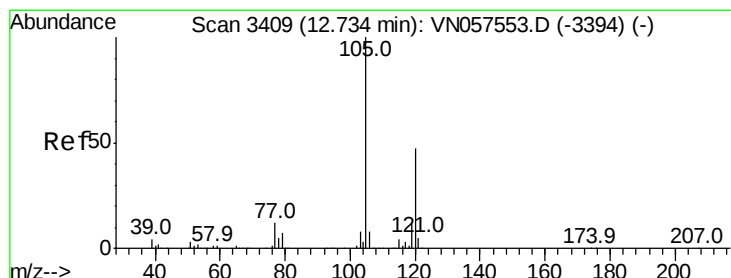
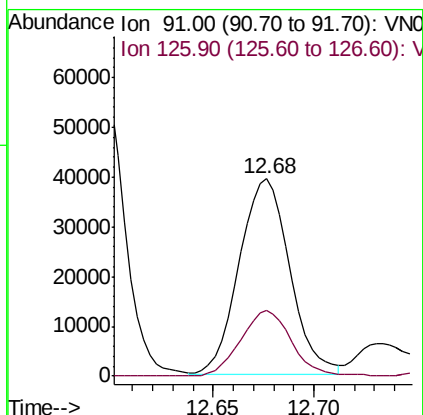
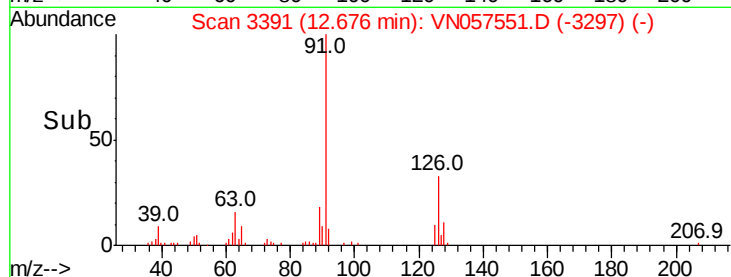
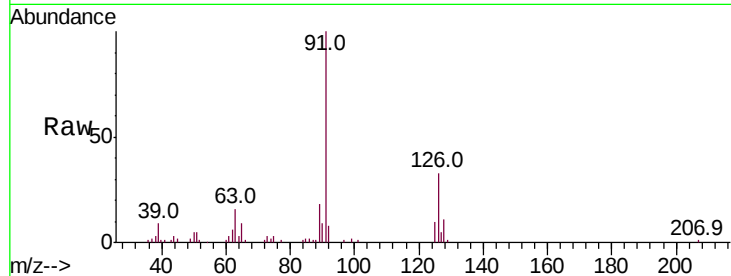
126 33.7 15.3 45.8

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 5.517 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN057551.D

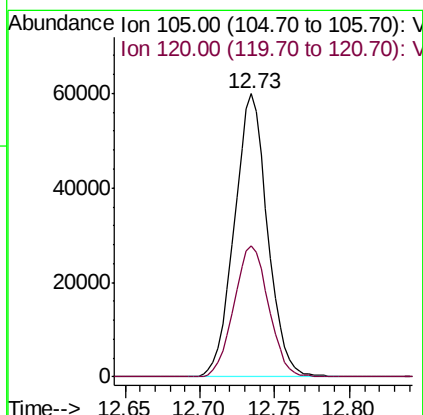
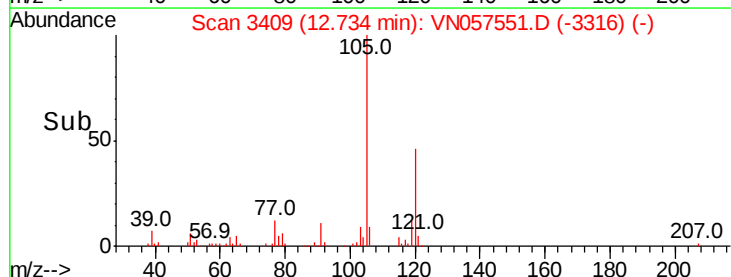
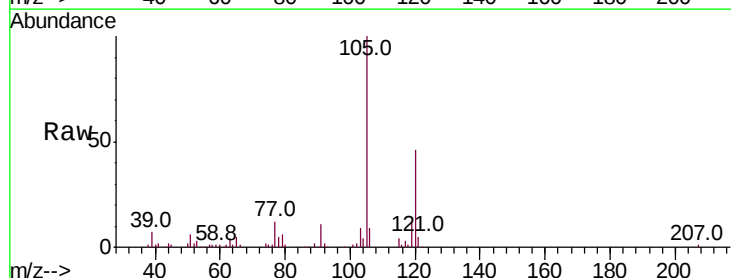
Acq: 29 Aug 2019 15:48

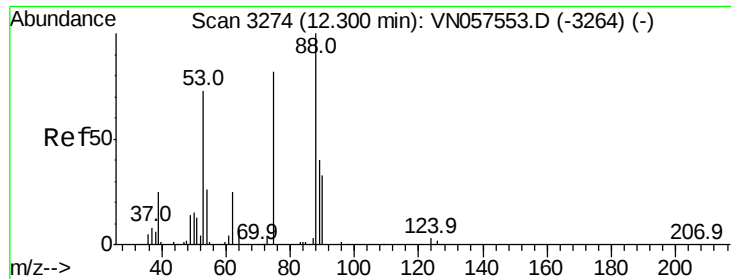
Tgt Ion: 105 Resp: 92278

Ion Ratio Lower Upper

105 100

120 48.4 23.3 69.8





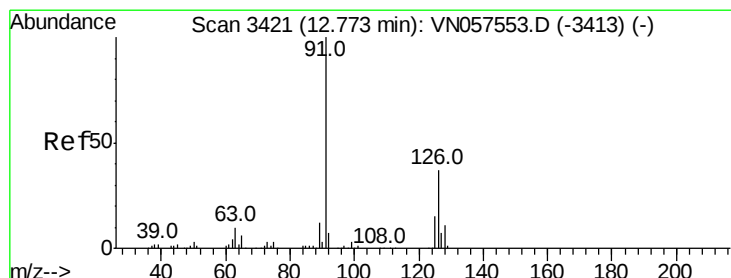
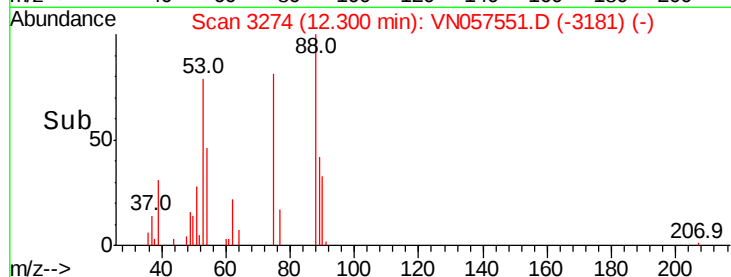
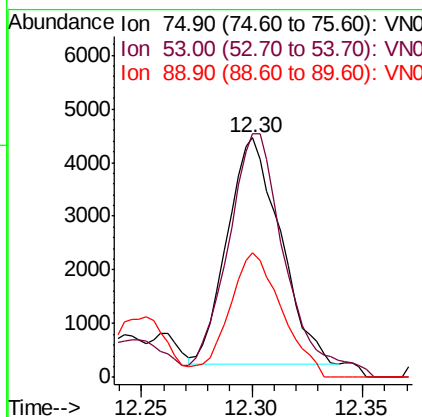
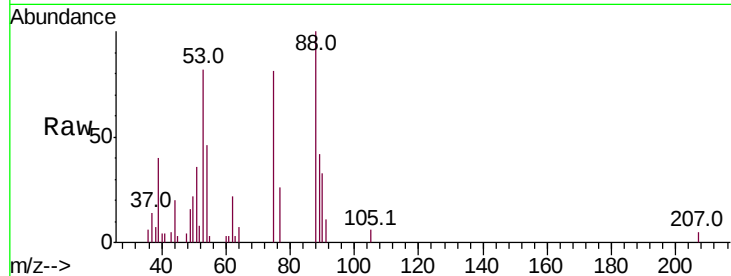
#81
trans-1,4-Dichloro-2-butene
Concen: 3.973 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN057551.D
Acq: 29 Aug 2019 15:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 75 Resp: 7073
Ion Ratio Lower Upper
75 100
53 116.3 82.7 124.1
89 54.8 35.8 53.8#

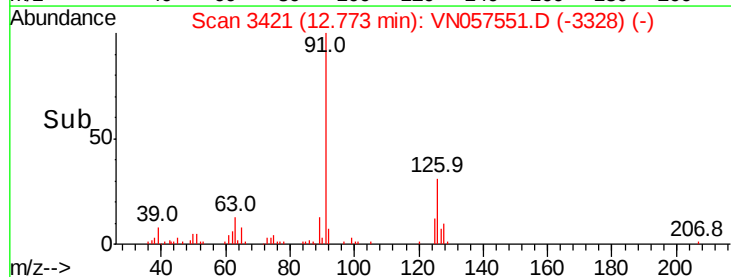
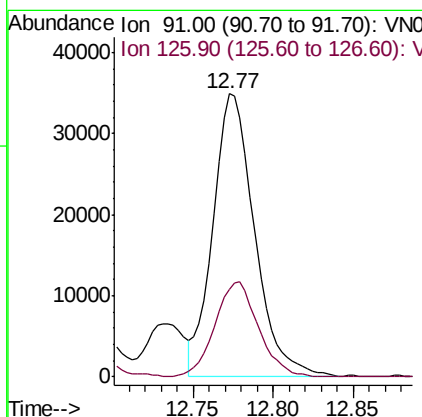
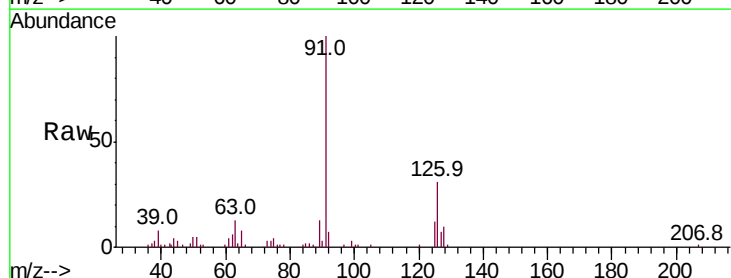
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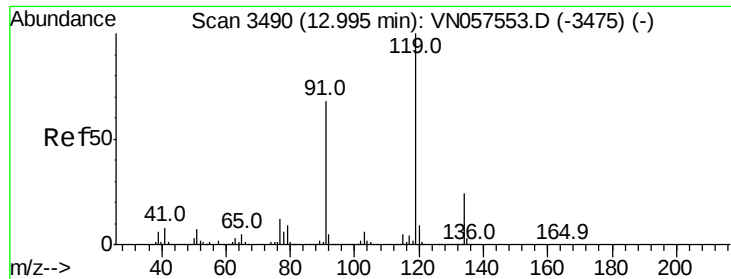
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#82
4-Chlorotoluene
Concen: 4.955 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN057551.D
Acq: 29 Aug 2019 15:48

Tgt Ion: 91 Resp: 62759
Ion Ratio Lower Upper
91 100
126 34.9 15.0 45.0





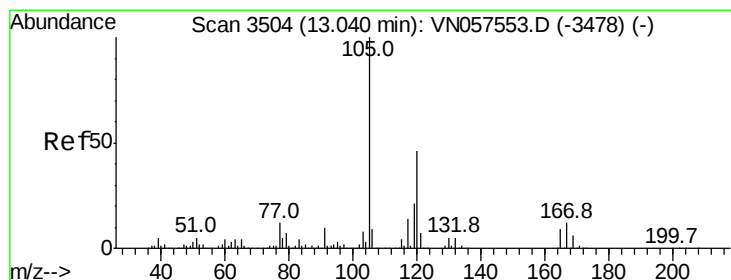
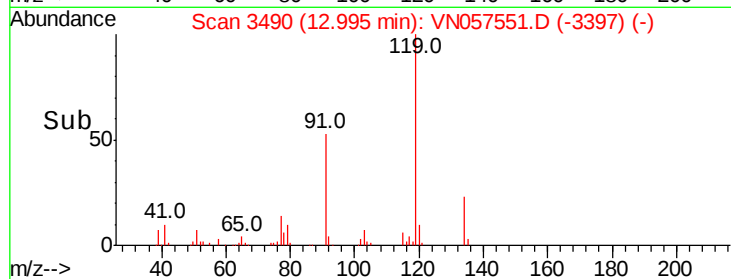
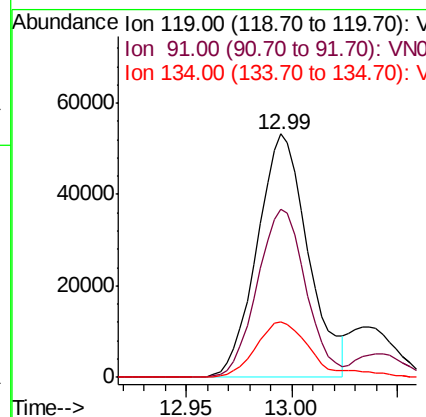
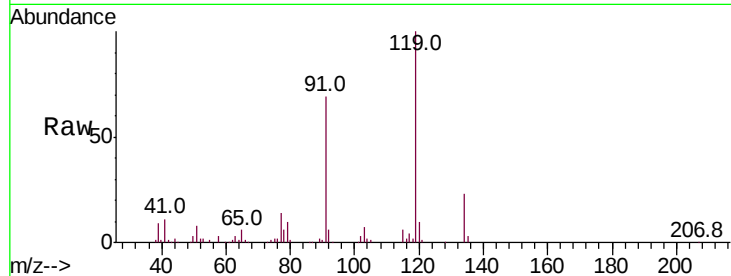
#83
tert-Butylbenzene
Concen: 5.986 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN057551.D
Acq: 29 Aug 2019 15:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.1	37.0	111.0
134	23.1	12.2	36.6

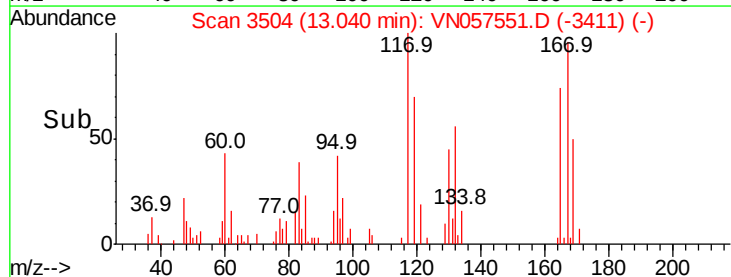
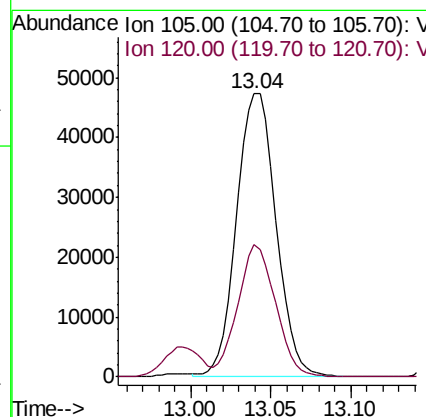
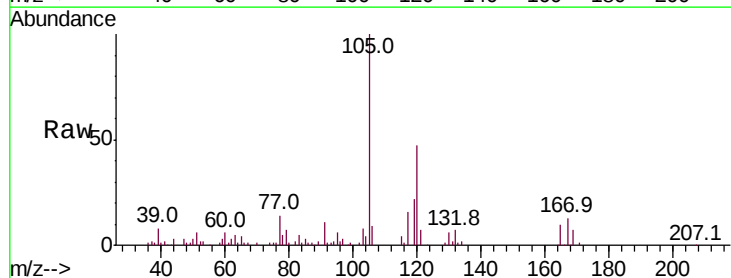
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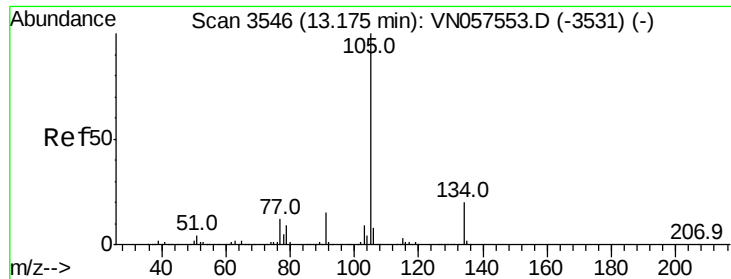
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#84
1,2,4-Trimethylbenzene
Concen: 5.366 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN057551.D
Acq: 29 Aug 2019 15:48

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.5	21.9	65.7





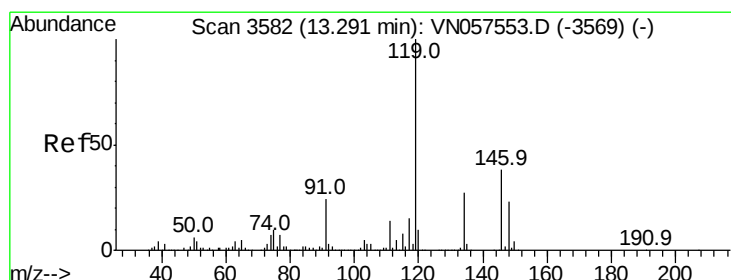
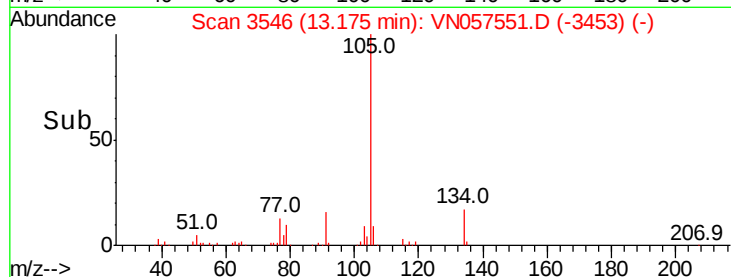
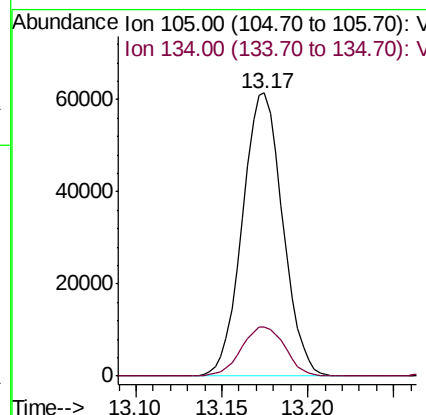
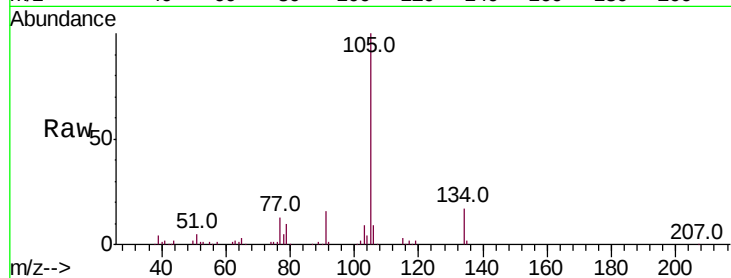
#85
 sec-Butylbenzene
 Concen: 5.507 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. -0.00 min
 Lab File: VN057551.D
 Acq: 29 Aug 2019 15:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
105	100	100306		
134	18.7	9.3	27.9	

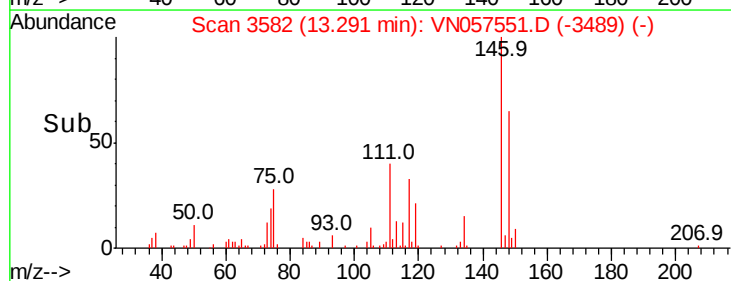
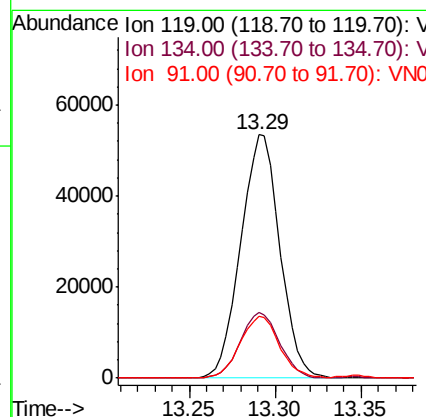
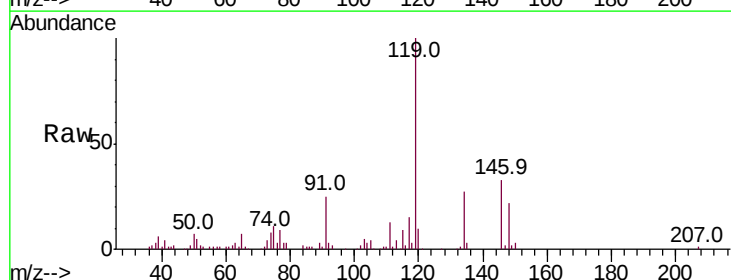
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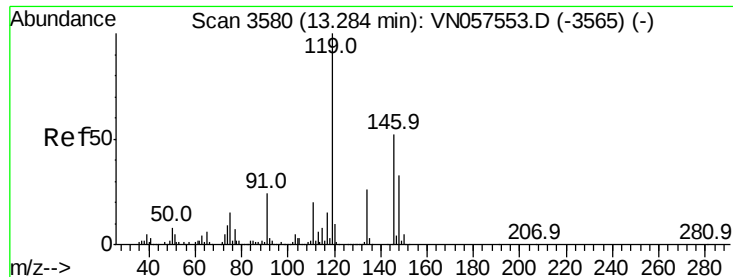
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#86
 p-Isopropyltoluene
 Concen: 5.619 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN057551.D
 Acq: 29 Aug 2019 15:48

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	84475		
134	26.8	12.7	38.1	
91	25.7	13.9	41.6	





#87

1,3-Dichlorobenzene

Concen: 5.268 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN057551.D

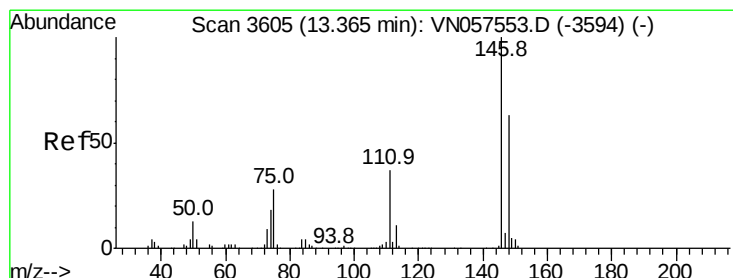
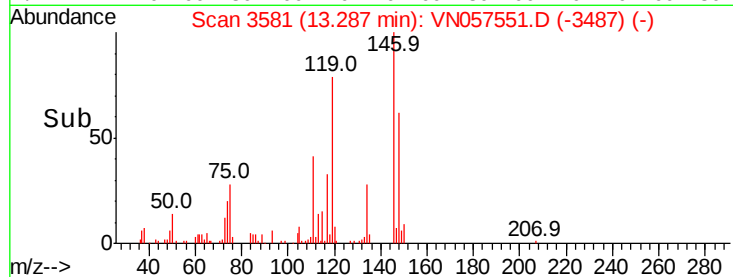
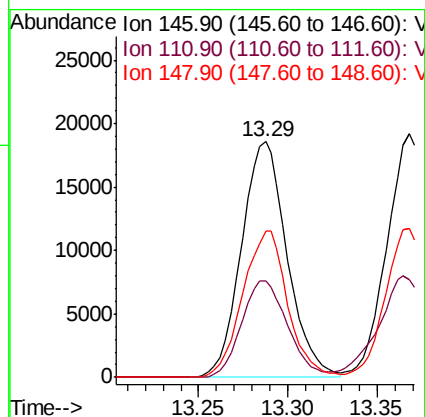
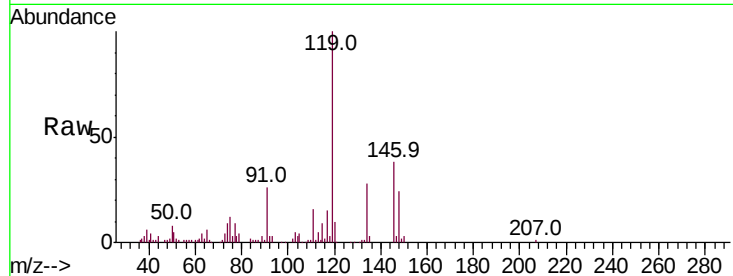
Acq: 29 Aug 2019 15:48

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	22.1	66.1
148	61.1	31.9	95.9

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#88

1,4-Dichlorobenzene

Concen: 5.348 ug/l

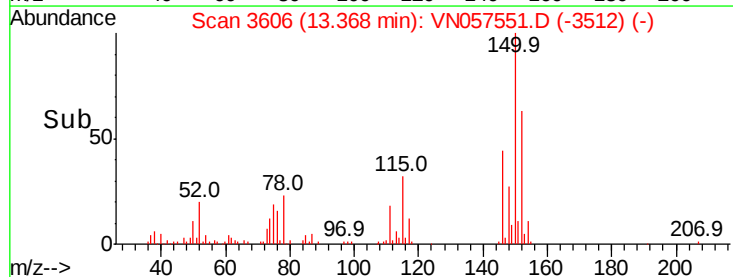
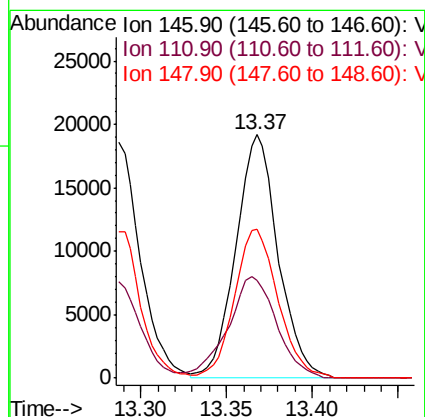
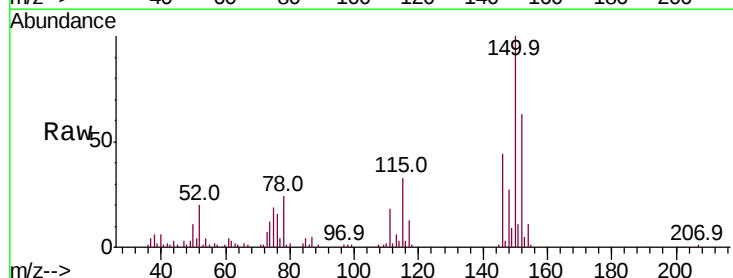
RT: 13.37 min Scan# 3606

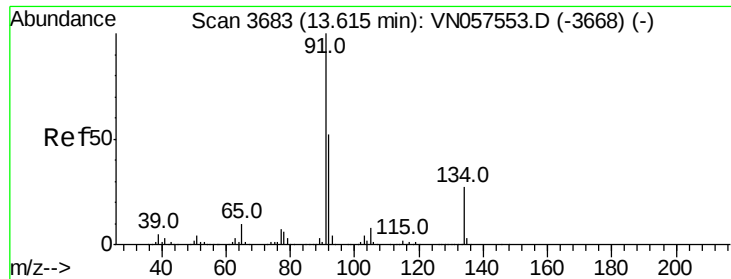
Delta R.T. 0.00 min

Lab File: VN057551.D

Acq: 29 Aug 2019 15:48

Tgt Ion	Ratio	Lower	Upper
146	100		
111	48.4	21.9	65.5
148	63.3	31.1	93.2





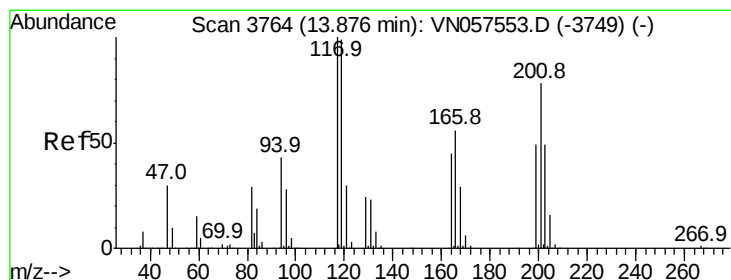
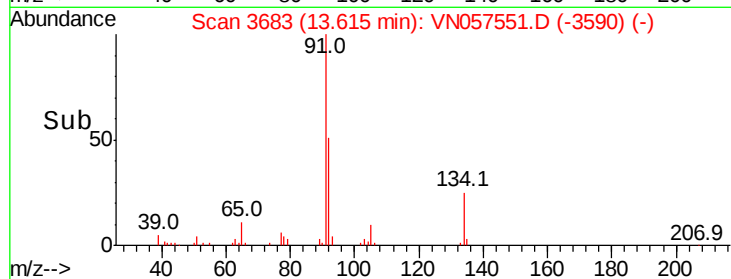
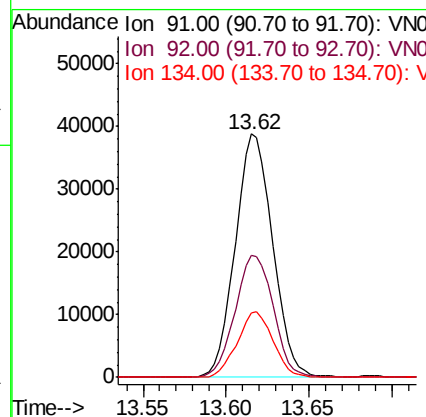
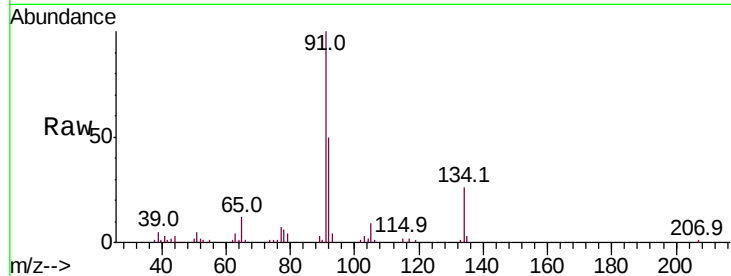
#89
n-Butylbenzene
Concen: 4.894 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN057551.D
Acq: 29 Aug 2019 15:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.1	25.7	77.0
134	25.6	11.4	34.1

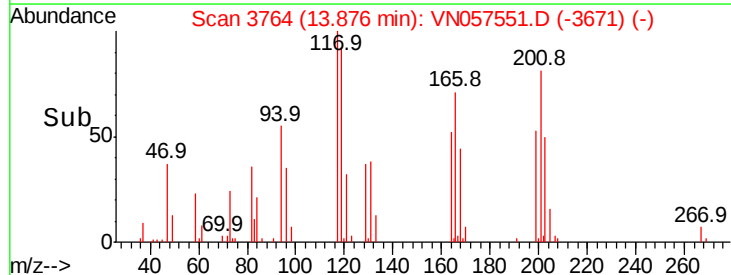
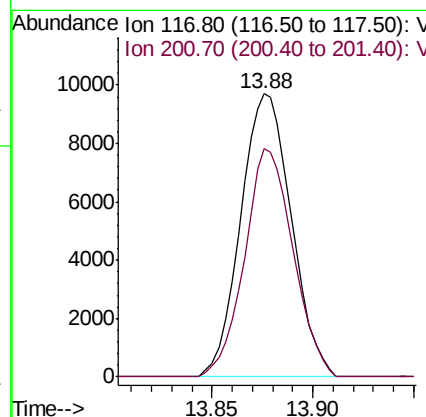
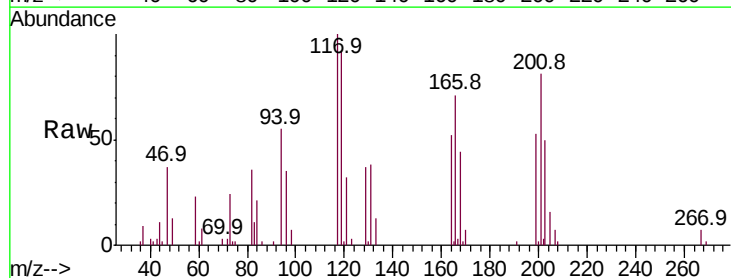
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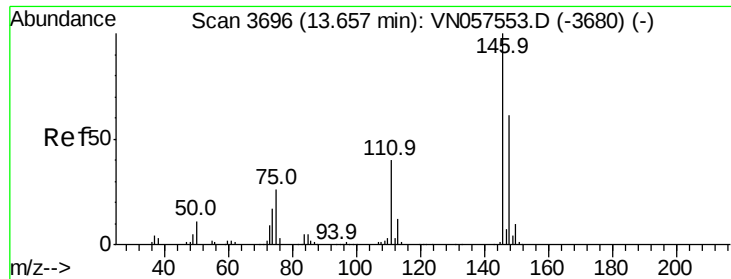
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#90
Hexachloroethane
Concen: 4.996 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN057551.D
Acq: 29 Aug 2019 15:48

Tgt Ion	Ratio	Lower	Upper
117	100		
201	77.2	33.1	99.3





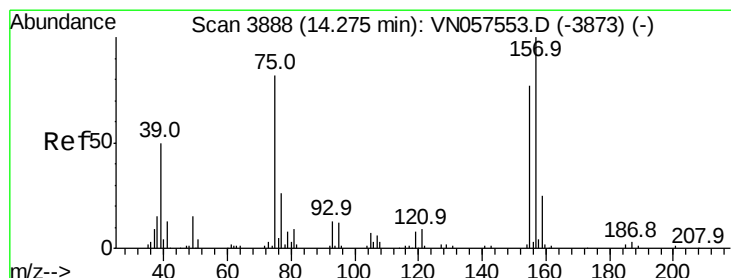
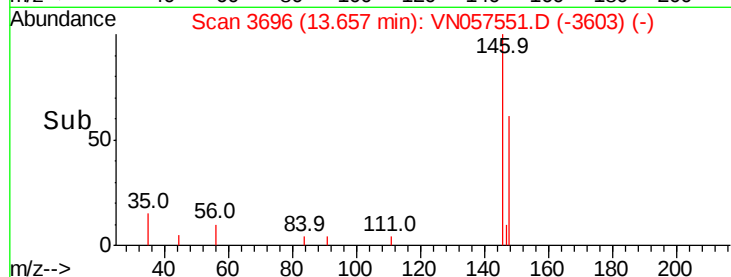
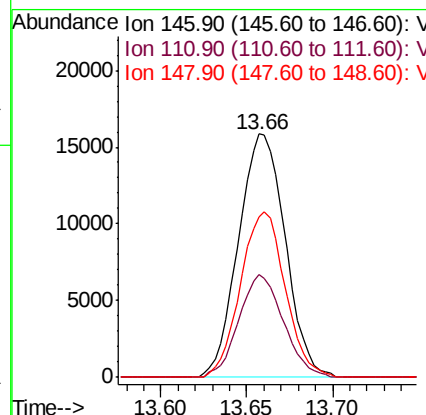
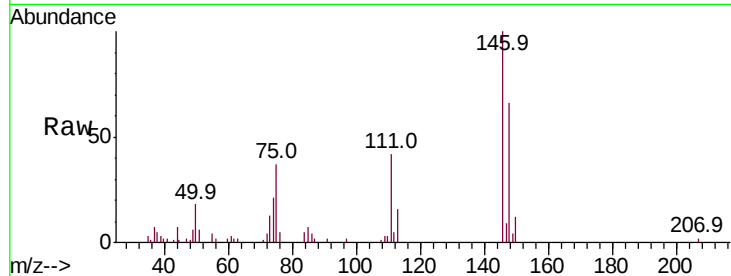
#91
 1,2-Dichlorobenzene
 Concen: 4.976 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. -0.00 min
 Lab File: VN057551.D
 Acq: 29 Aug 2019 15:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	23.1	69.2
148	64.9	31.8	95.4

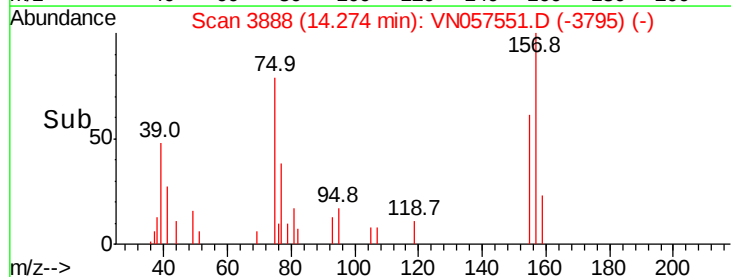
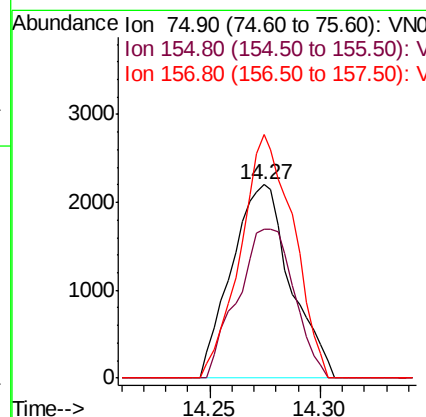
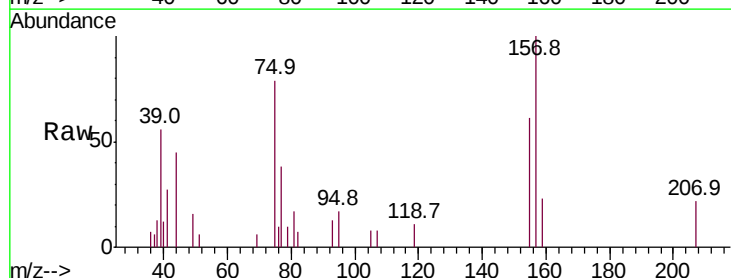
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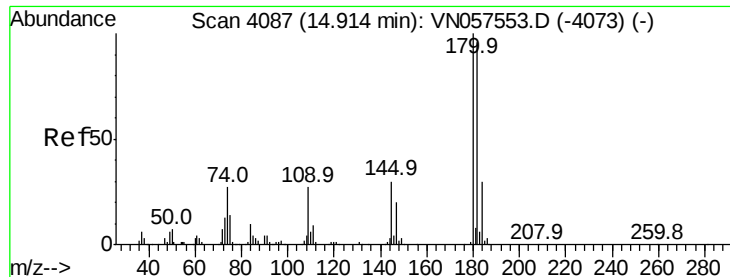
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.184 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN057551.D
 Acq: 29 Aug 2019 15:48

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.6	31.6	94.7
157	113.0	43.3	129.8





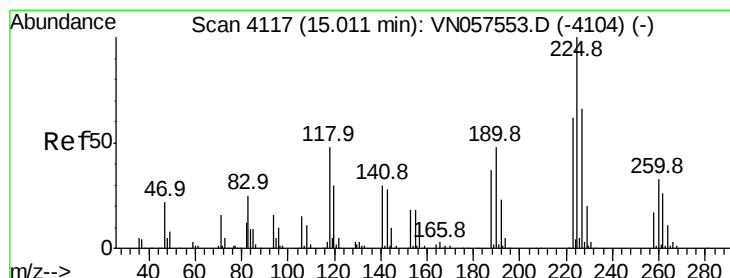
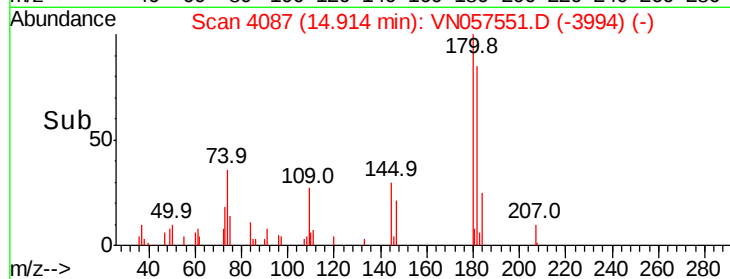
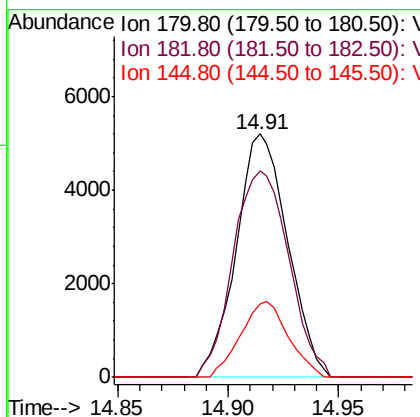
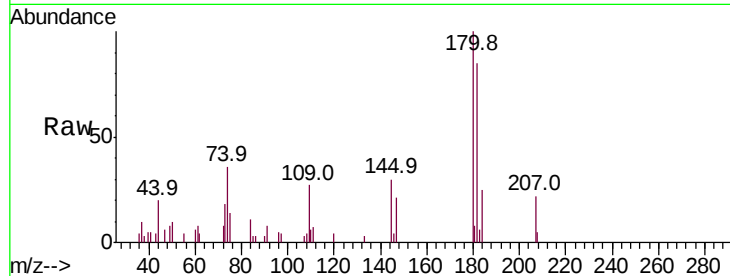
#93
 1,2,4-Trichlorobenzene
 Concen: 3.821 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN057551.D
 Acq: 29 Aug 2019 15:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.0	46.7	140.1
145	29.0	15.6	46.8

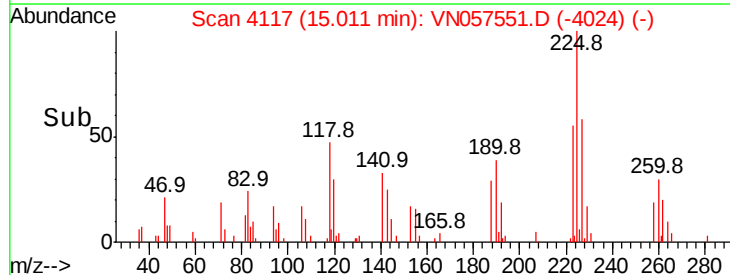
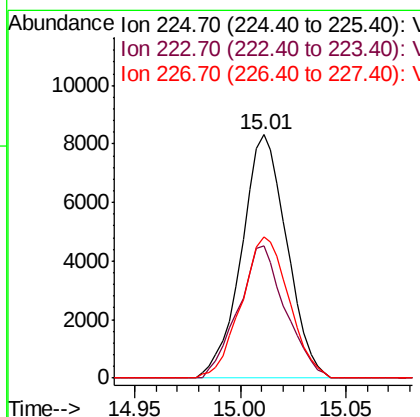
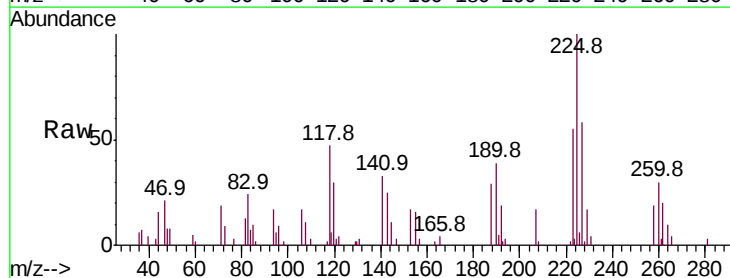
Manual Integrations
 APPROVED

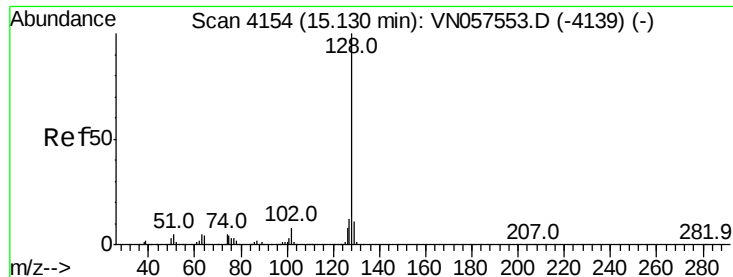
MMDadoda
 9/3/2019 2:38:41 AM



#94
 Hexachlorobutadiene
 Concen: 6.610 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN057551.D
 Acq: 29 Aug 2019 15:48

Tgt Ion	Ratio	Lower	Upper
225	100		
223	56.2	32.0	96.2
227	61.0	31.5	94.5





#95

Naphthalene

Concen: 3.636 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN057551.D

Acq: 29 Aug 2019 15:48

Instrument :

MSVOA_N

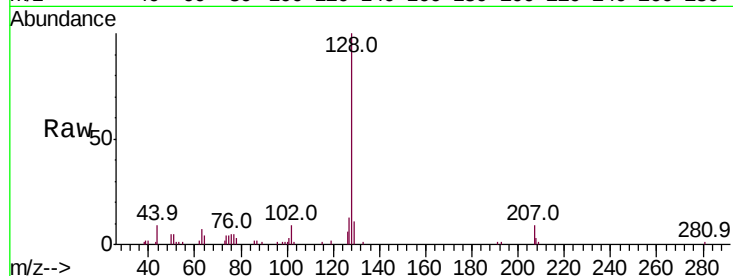
ClientSampleId :

VSTDIC005

Tot Ion:	128	Resp:	25915
Ion Ratio	Lower	Upper	
128	100		
127	12.4	10.5	15.7
129	11.6	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
9/3/2019 2:38:41 AM

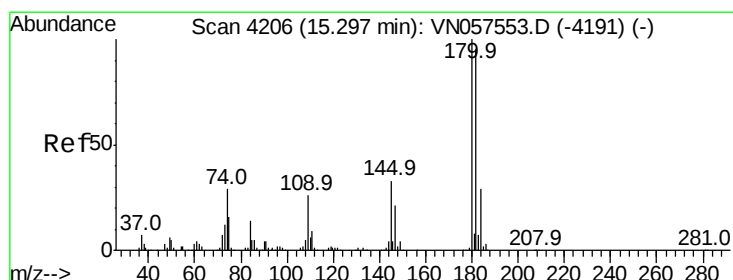
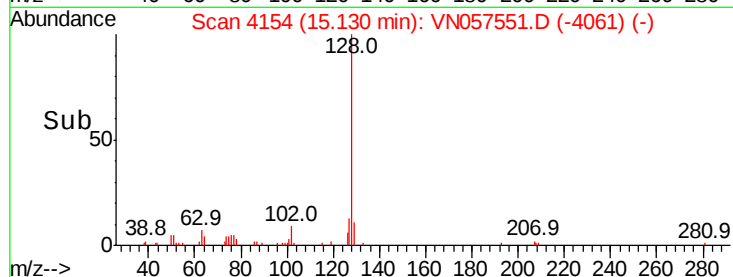
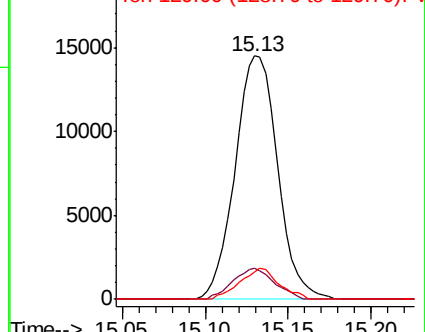


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 3.698 ug/l

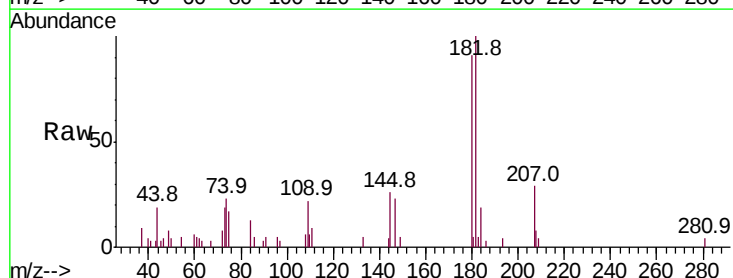
RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN057551.D

Acq: 29 Aug 2019 15:48

Tgt Ion:	180	Resp:	8426
Ion Ratio	Lower	Upper	
180	100		
182	92.0	46.7	140.1
145	30.6	16.8	50.3



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

