LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101019\
Data File : VN058661.D
Acq On : 9 Oct 2019 23:12
Operator : JC/SP
Sample : K5184-06
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-7

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.166	109	122	133	rVB	58603	87256	3.16%	0.390%
2	2.786	301	315	333	rBV	371866	749547	27.16%	3.351%
3	3.121	403	419	439	rBV3	149177	367453	13.32%	1.643%
4	3.545	532	551	580	rBV2	217058	530499	19.22%	2.371%
5	3.783	605	625	646	rBV4	26661	89477	3.24%	0.400%
6	4.043	686	706	719	rBV3	9280	27789	1.01%	0.124%
7	4.403	798	818	833	rBV2	25689	77875	2.82%	0.348%
8	4.510	834	851	856	rBV4	46105	123626	4.48%	0.553%
9	5.030	988	1013	1043	rVB4	77855	286721	10.39%	1.282%
10	5.548	1150	1174	1193	rBV3	40920	125433	4.55%	0.561%
11	5.905	1261	1285	1308	rBV2	64306	198514	7.19%	0.887%
12	6.043	1308	1328	1347	rVV3	38648	127380	4.62%	0.569%
13	6.352	1403	1424	1440	rBV4	56466	179006	6.49%	0.800%
14	6.503	1452	1471	1484	rBV5	13659	41138	1.49%	0.184%
15	6.606	1484	1503	1521	rBV2	151787	467655	16.95%	2.091%
16	7.371	1728	1741	1760	rVB2	81974	216631	7.85%	0.968%
17	7.574	1780	1804	1814	rBV	305004	786531	28.50%	3.516%
18	7.648	1815	1827	1843	rVB	609701	1481253	53.68%	6.622%
19	7.860	1878	1893	1904	rBV2	33082	78312	2.84%	0.350%
20	8.021	1924	1943	1966	rBV3	1064128	2759534	100.00%	12.336%
21	8.159	1966	1986	1987	rBV8	66020	134768	4.88%	0.602%
22	8.288	2017	2026	2046	rVB3	33867	85048	3.08%	0.380%
23	8.416	2047	2066	2081	rBV8	13886	47031	1.70%	0.210%
24	8.574	2094	2115	2138	rBV	863622	1925264	69.77%	8.606%
25	8.808	2176	2188	2196	rBV3	29391	61143	2.22%	0.273%
26	9.069	2264	2269	2283	rVB3	85487	153485	5.56%	0.686%
27	9.262	2319	2329	2340	rVB3	18684	37940	1.37%	0.170%
28	9.426	2370	2380	2383	rBV4	17931	28979	1.05%	0.130%
29	9.509	2397	2406	2421	rVB2	45979	94715	3.43%	0.423%
30	9.606	2425	2436	2441	rBV2	51166	92883	3.37%	0.415%
31	9.844	2497	2510	2516	rBV2	14679	36381	1.32%	0.163%
32	9.960	2538	2546	2557	rBV3	40971	74365	2.69%	0.332%
33	10.085	2571	2585	2598	rBV	1307041	2436565	88.30%	10.892%
34	10.284	2632	2647	2668	rVB3	51315	183392	6.65%	0.820%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101019\
Data File : VN058661.D
Acq On : 9 Oct 2019 23:12
Operator : JC/SP
Sample : K5184-06
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-7

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
Title : SW846 8260

35	10.516	2712	2719	2734	rVB6	52948	111115	4.03%	0.497%
36	11.406	2982	2996	3017	rBV	1116414	2008969	72.80%	8.981%
37	11.512	3021	3029	3048	rVV	48504	98865	3.58%	0.442%
38	11.619	3049	3062	3086	rVB	133191	275390	9.98%	1.231%
39	12.252	3247	3259	3271	rBV	182845	307076	11.13%	1.373%
40	12.403	3294	3306	3322	rVB	873651	1513773	54.86%	6.767%
41	12.593	3356	3365	3380	rVB	142501	237808	8.62%	1.063%
42	12.895	3449	3459	3471	rVB	67457	110221	3.99%	0.493%
43	13.348	3588	3600	3623	rVB	1004298	1704054	61.75%	7.618%
44	13.551	3644	3663	3673	rBV2	245229	464048	16.82%	2.074%
45	13.747	3716	3724	3735	rVB2	26985	43976	1.59%	0.197%
46	13.895	3759	3770	3781	rVB2	108510	188656	6.84%	0.843%
47	14.001	3795	3803	3815	rVB2	77492	121679	4.41%	0.544%
48	14.217	3861	3870	3882	rVB	58437	95221	3.45%	0.426%
49	14.483	3945	3953	3965	rBV2	57802	93814	3.40%	0.419%
50	14.599	3976	3989	4000	rBV3	100178	208777	7.57%	0.933%
51	16.024	4421	4432	4453	rVB3	227417	531150	19.25%	2.374%
52	16.213	4486	4491	4502	rVB	35761	61874	2.24%	0.277%

Sum of corrected areas: 22370055

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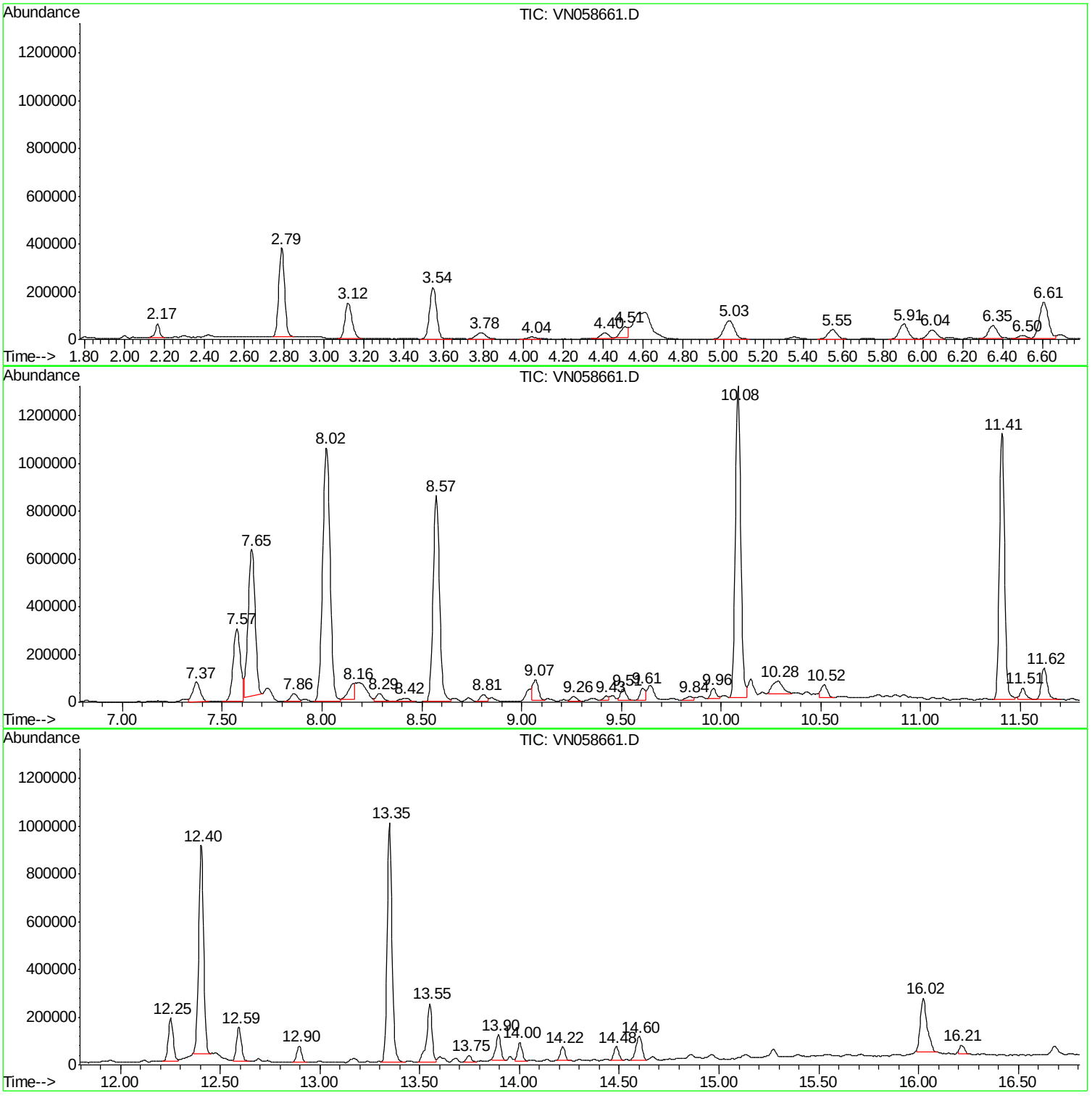
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101019\
Data File : VN058661.D
Acq On : 9 Oct 2019 23:12
Operator : JC/SP
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ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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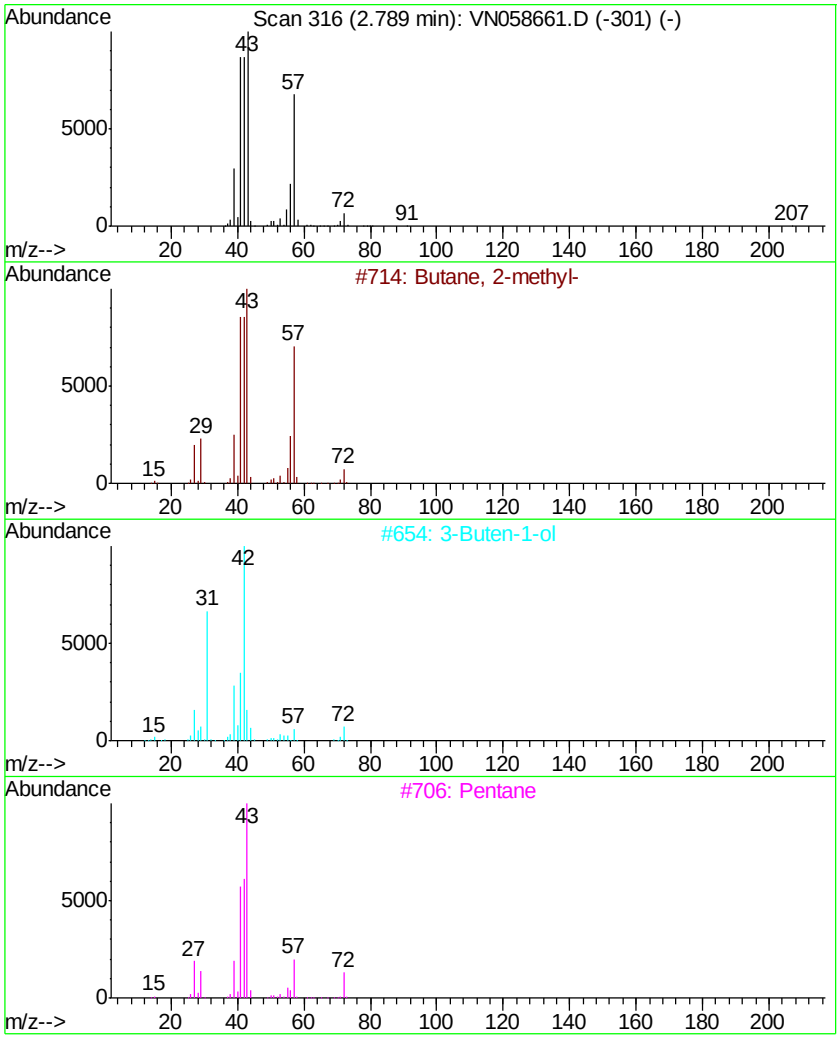
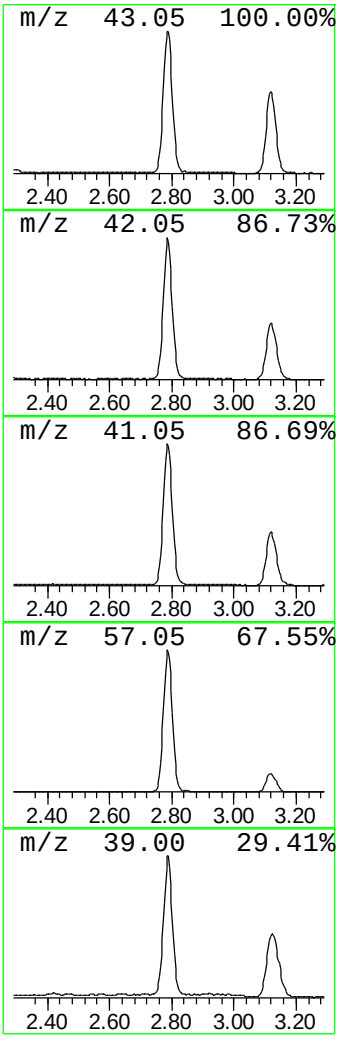
Peak Number 1 Butane, 2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.79	25.30 ug/l	749547	Pentafluorobenzene	7.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	91
2	3-Buten-1-ol	72	C4H8O	000627-27-0	38
3	Pentane	72	C5H12	000109-66-0	36
4	2(3H)-Furanone, dihydro-4-methyl-	100	C5H8O2	001679-49-8	33
5	1-Propene, 2-methyl-	56	C4H8	000115-11-7	10





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101019\
Data File : VN058661.D
Acq On : 9 Oct 2019 23:12
Operator : JC/SP
Sample : K5184-06
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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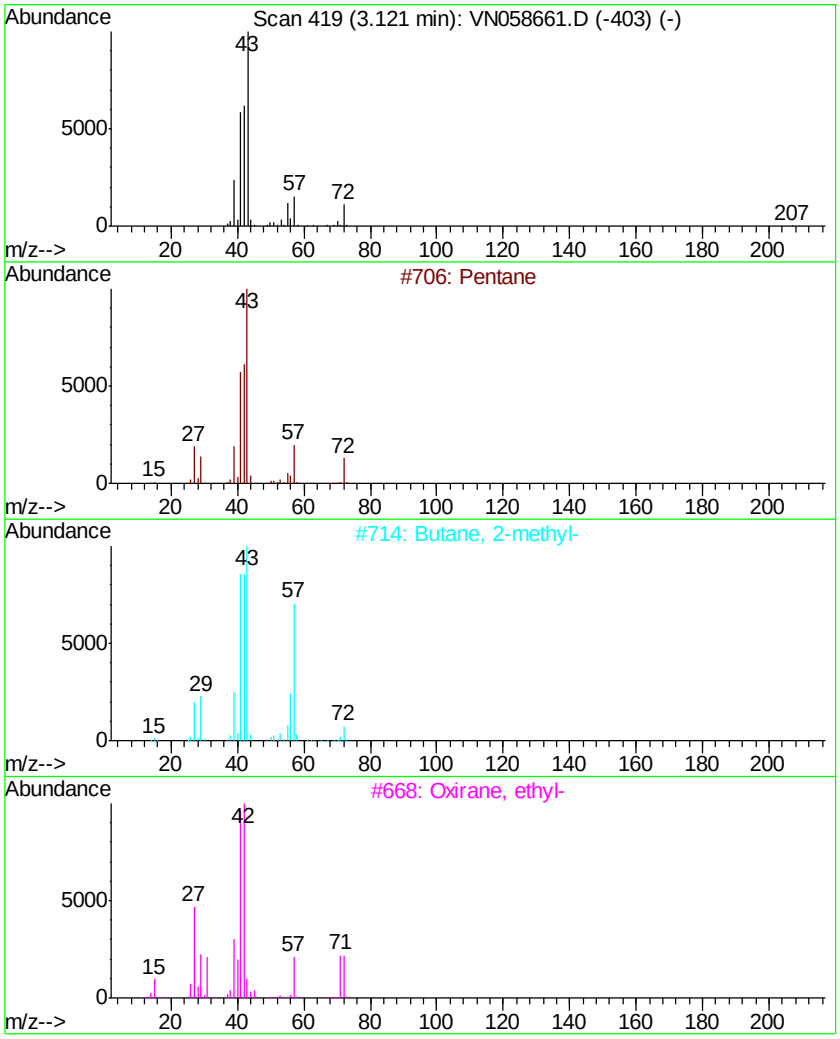
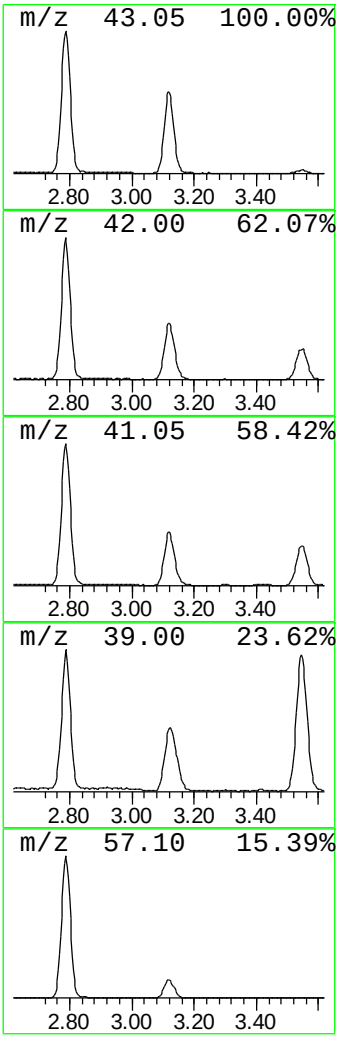
Peak Number 2 Pentane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.12	12.40 ug/l	367453	Pentafluorobenzene	7.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	90
2	Butane, 2-methyl-	72	C5H12	000078-78-4	59
3	Oxirane, ethyl-	72	C4H8O	000106-88-7	40
4	2(3H)-Furanone, dihydro-4-methyl-	100	C5H8O2	001679-49-8	25
5	Cyclobutane, methyl-	70	C5H10	000598-61-8	23





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101019\
Data File : VN058661.D
Acq On : 9 Oct 2019 23:12
Operator : JC/SP
Sample : K5184-06
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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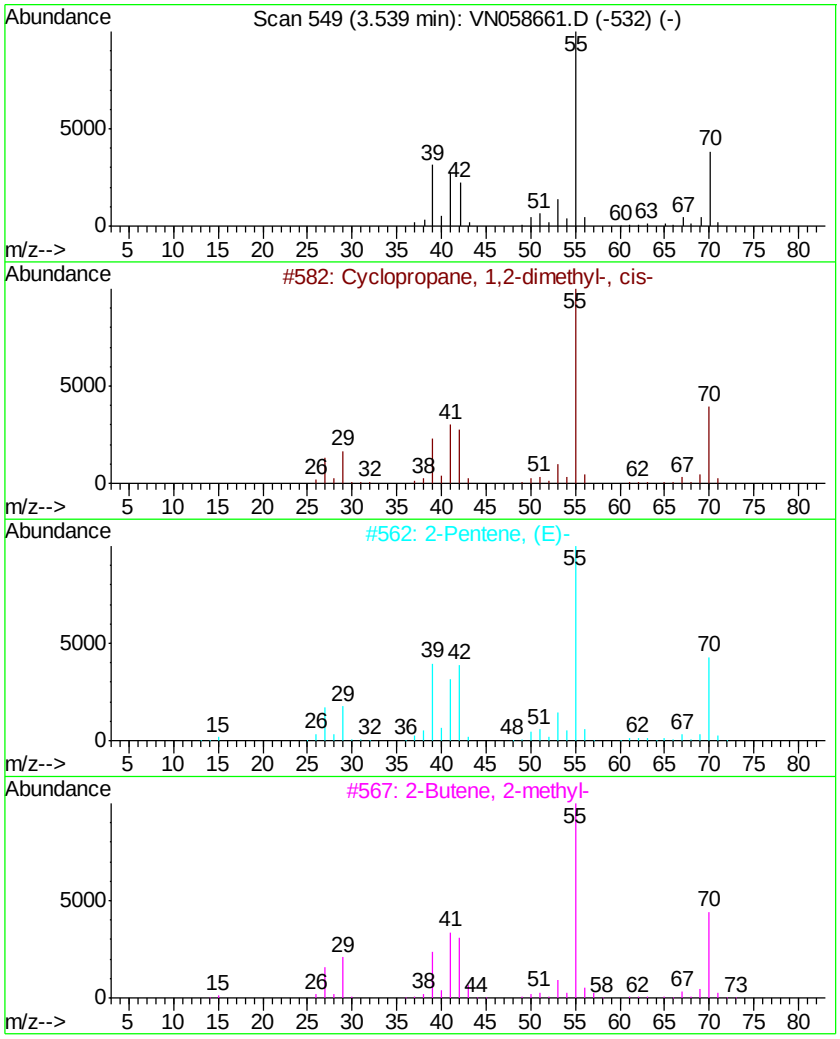
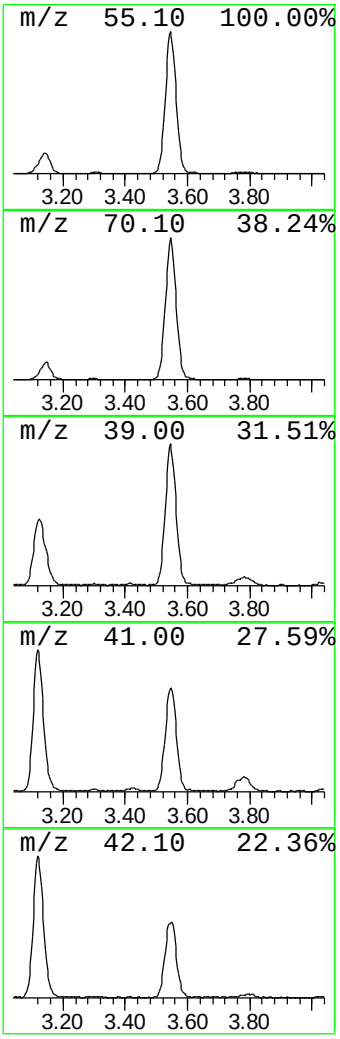
Peak Number 3 Cyclopropane, 1,2-dimethyl-... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.54	17.91 ug/l	530499	Pentafluorobenzene	7.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, 1,2-dimethyl-, cis-	70	C5H10	000930-18-7	90
2	2-Pentene, (E)-	70	C5H10	000646-04-8	87
3	2-Butene, 2-methyl-	70	C5H10	000513-35-9	86
4	Cyclopropane, 1,1-dimethyl-	70	C5H10	001630-94-0	80
5	1-Butene, 3-methyl-	70	C5H10	000563-45-1	78





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101019\
Data File : VN058661.D
Acq On : 9 Oct 2019 23:12
Operator : JC/SP
Sample : K5184-06
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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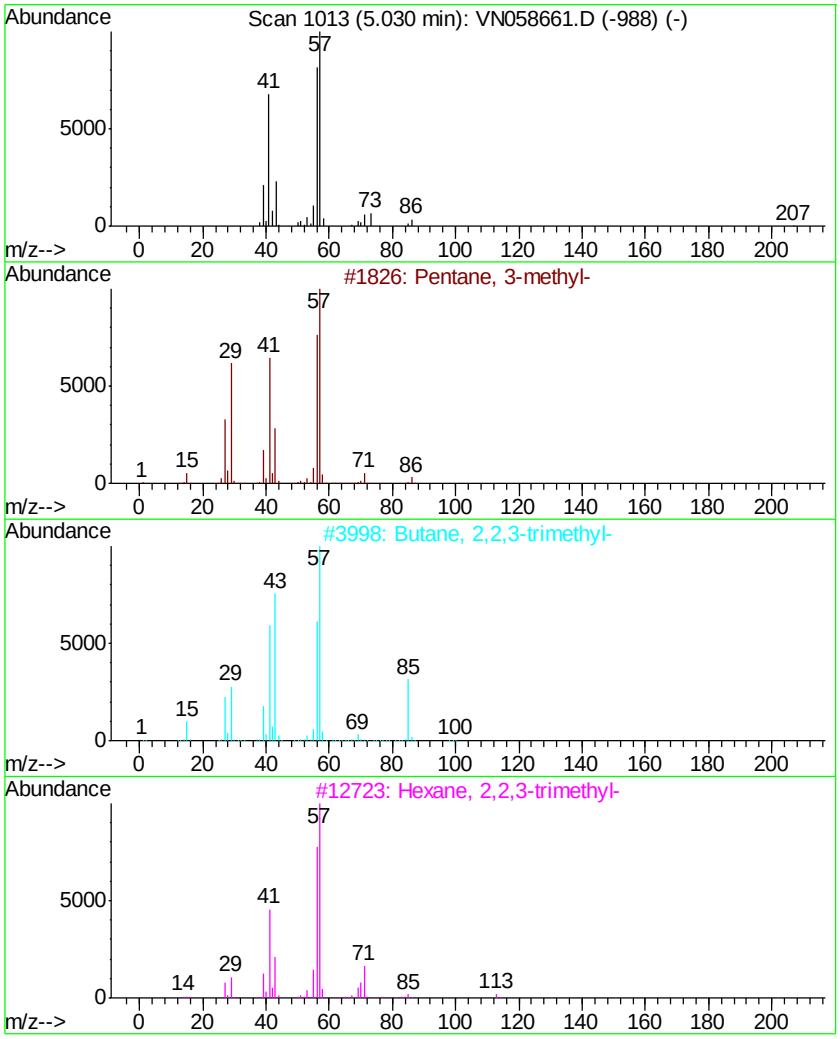
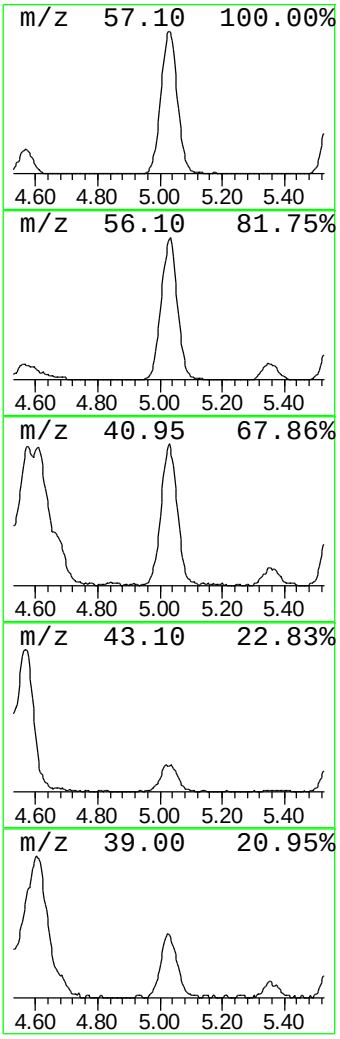
Peak Number 4 Pentane, 3-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.03	9.68 ug/l	286721	Pentafluorobenzene	7.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	90
2	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	78
3	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	64
4	Propane, 2-cyclopropyl-	84	C6H12	003638-35-5	53
5	Pentane, 3-ethyl-2,2-dimethyl-	128	C9H20	016747-32-3	43





Library Search Compound Report

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Operator : JC/SP
Sample : K5184-06
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
Quant Title : SW846 8260

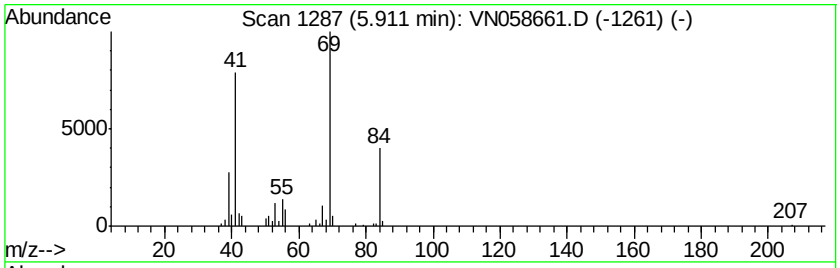
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

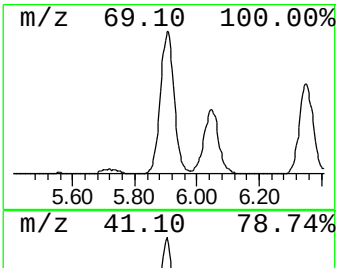
****

Peak Number 5 2-Pentene, 4-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.91	6.70 ug/l	198514	Pentafluorobenzene	7.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, 4-methyl-	84	C6H12	004461-48-7	91
2	Cyclopropane, 1,1,2-trimethyl-	84	C6H12	004127-45-1	91
3	2-Butene, 2,3-dimethyl-	84	C6H12	000563-79-1	91
4	2-Pentene, 4-methyl-, (Z)-	84	C6H12	000691-38-3	91
5	2-Pentene, 2-methyl-	84	C6H12	000625-27-4	91





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Sample : K5184-06
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ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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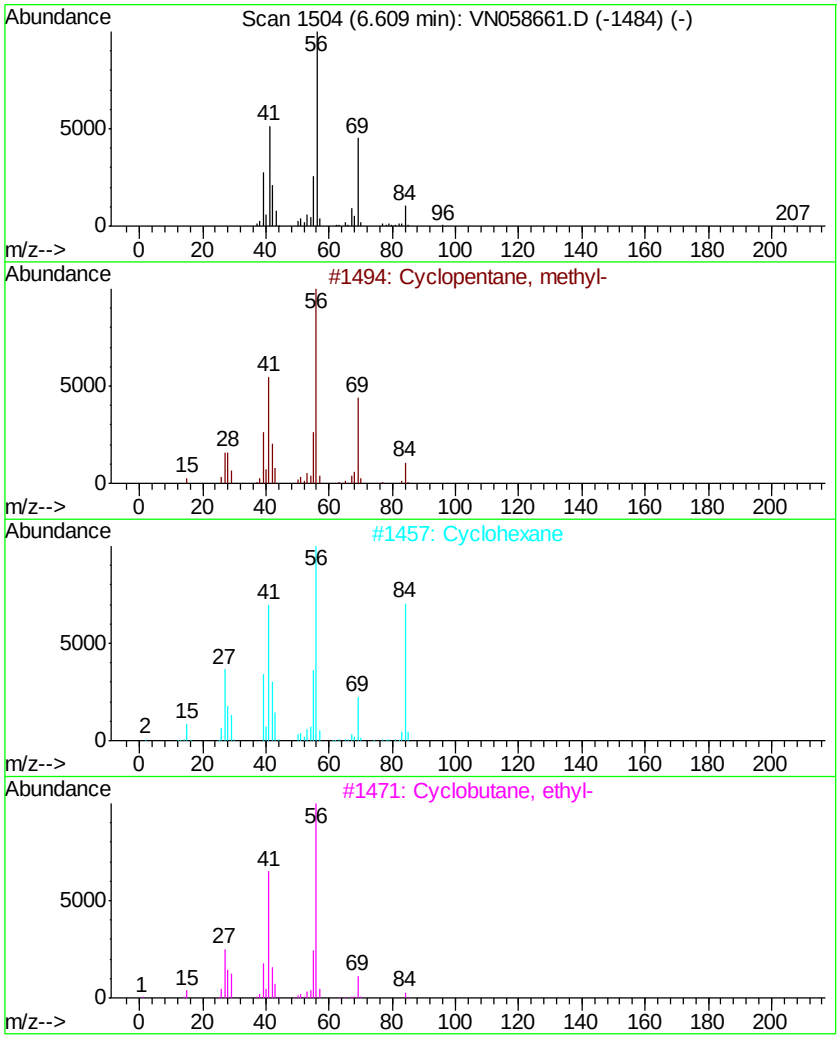
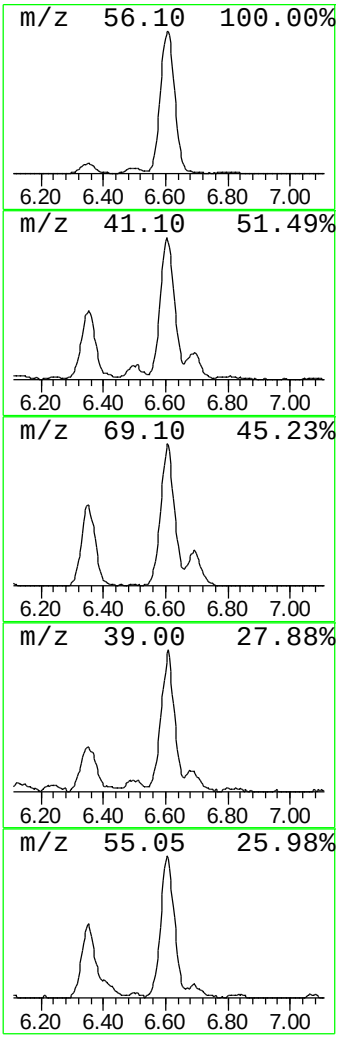
Peak Number 6 Cyclopentane, methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.61	15.79 ug/l	467655	Pentafluorobenzene	7.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	91
2	Cyclohexane	84	C6H12	000110-82-7	86
3	Cyclobutane, ethyl-	84	C6H12	004806-61-5	64
4	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	64
5	Tetramethylene diisocyanate	140	C6H8N2O2	004538-37-8	56





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ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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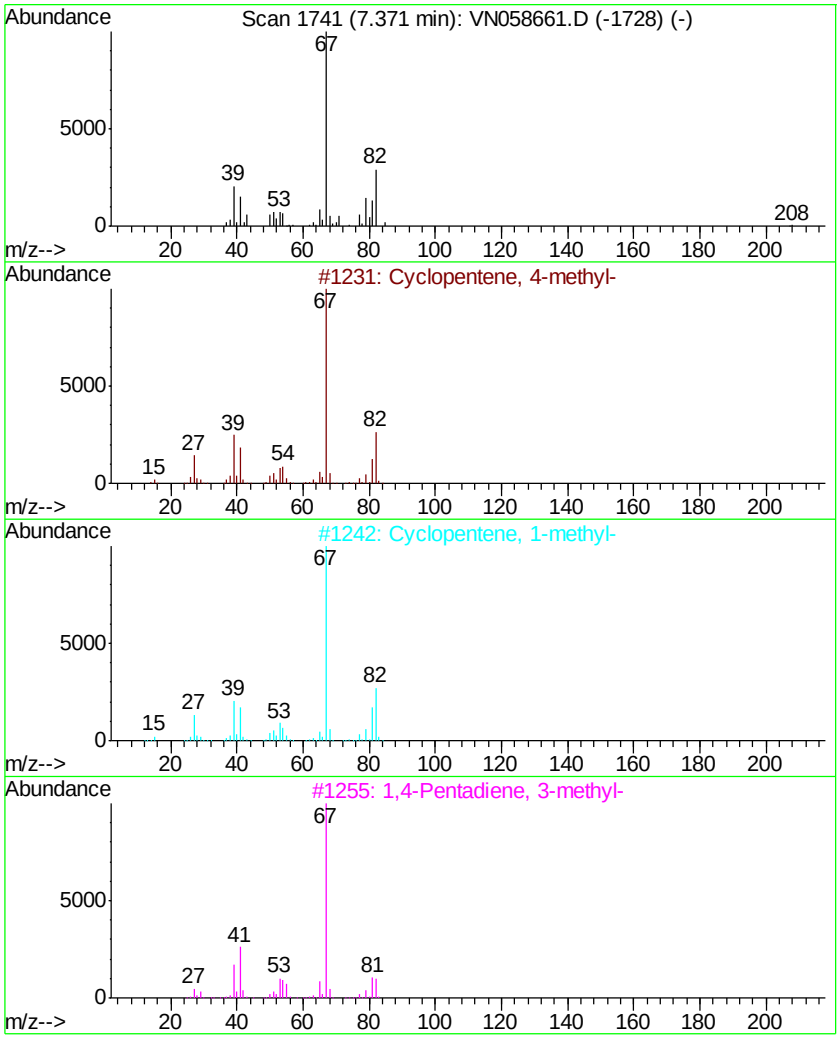
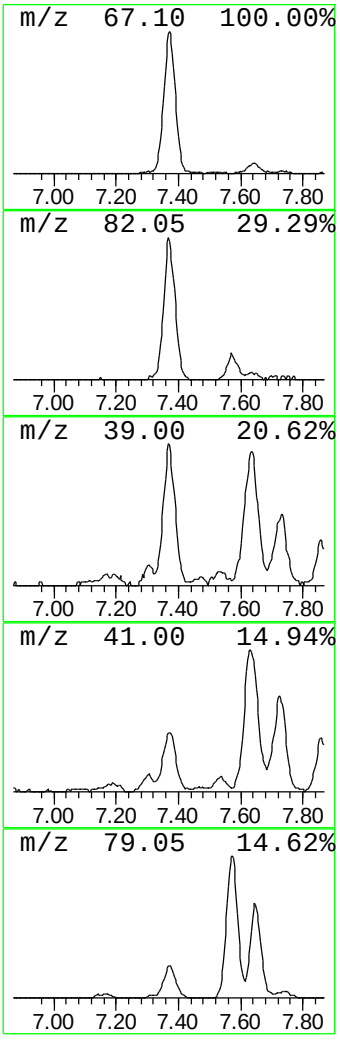
Peak Number 7 Cyclopentene, 4-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.37	7.31 ug/l	216631	Pentafluorobenzene	7.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentene, 4-methyl-	82	C6H10	001759-81-5	74
2	Cyclopentene, 1-methyl-	82	C6H10	000693-89-0	74
3	1,4-Pentadiene, 3-methyl-	82	C6H10	001115-08-8	72
4	Cyclopentene, 1-(3-methylbutyl)-	138	C10H18	037689-15-9	72
5	Cyclopentene, 3-methyl-	82	C6H10	001120-62-3	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101019\
Data File : VN058661.D
Acq On : 9 Oct 2019 23:12
Operator : JC/SP
Sample : K5184-06
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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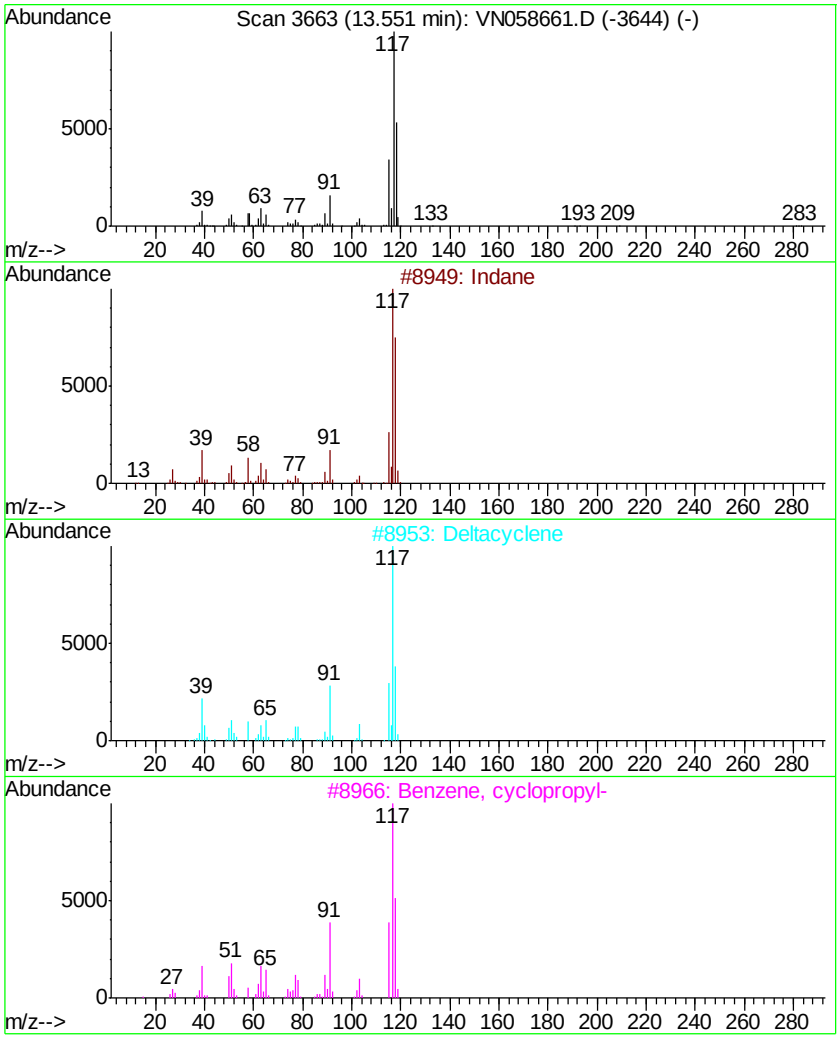
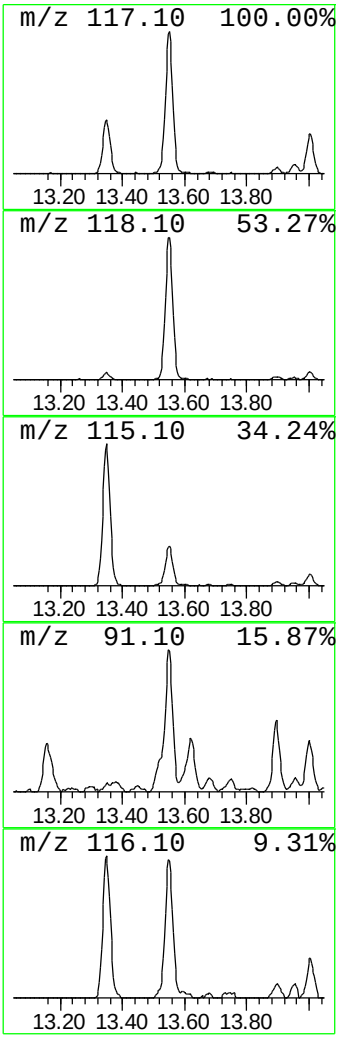
Peak Number 8 Indane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.55	13.62 ug/l	464048	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	92
2	Deltacyclene	118	C9H10	007785-10-6	68
3	Benzene, cyclopropyl-	118	C9H10	000873-49-4	64
4	Benzene, 2-propenyl-	118	C9H10	000300-57-2	60
5	trans-Cinnamyl bromide	196	C9H9Br	026146-77-0	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101019\
Data File : VN058661.D
Acq On : 9 Oct 2019 23:12
Operator : JC/SP
Sample : K5184-06
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
Quant Title : SW846 8260

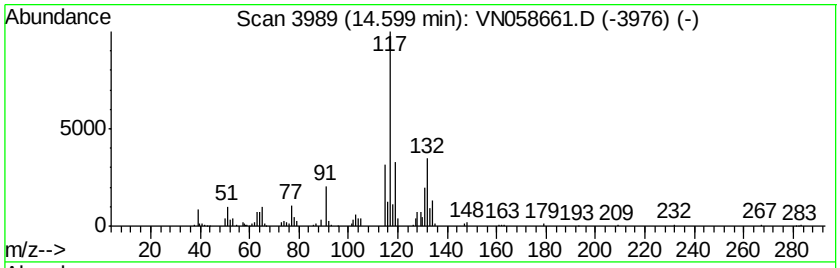
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

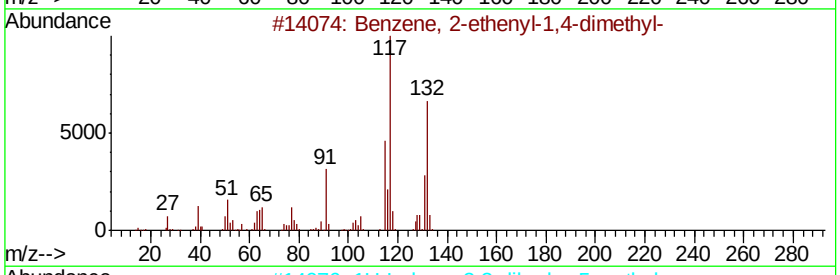
****

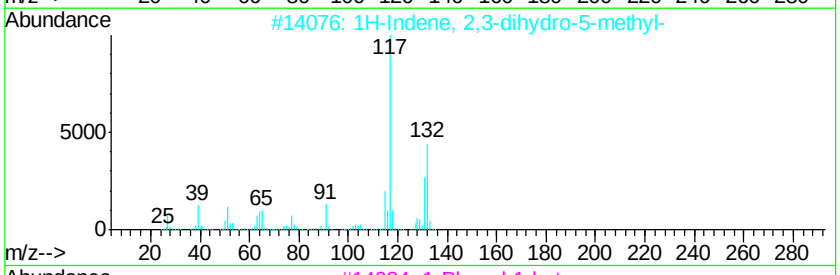
Peak Number 9 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 10

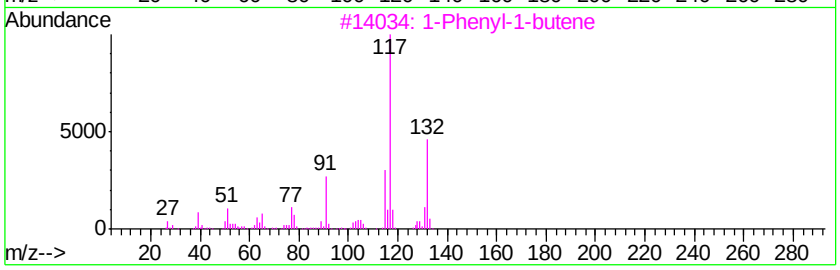
R.T.	EstConc	Area	Relative to ISTD	R.T.
14.60	6.13 ug/l	208777	1,4-Dichlorobenzene-d4	13.35

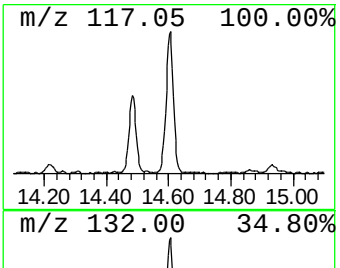
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	92
2	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	81
3	1-Phenyl-1-butene	132	C10H12	000824-90-8	76
4	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	76
5	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	70

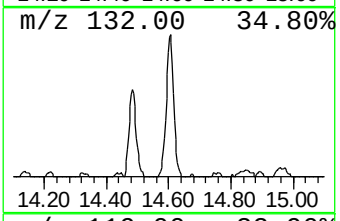


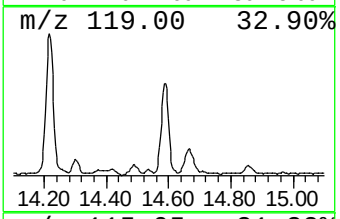


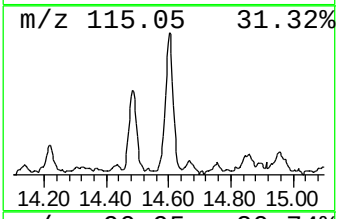


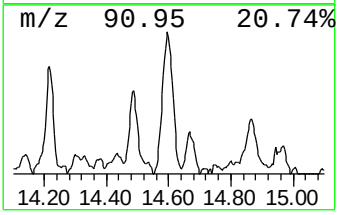












Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101019\
Data File : VN058661.D
Acq On : 9 Oct 2019 23:12
Operator : JC/SP
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ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-methyl-	2.79	25.3	ug/l	749547	1	7.65	1481250	50.0
Pentane	3.12	12.4	ug/l	367453	1	7.65	1481250	50.0
Cyclopropane, 1,2...	3.54	17.9	ug/l	530499	1	7.65	1481250	50.0
Pentane, 3-methyl-	5.03	9.7	ug/l	286721	1	7.65	1481250	50.0
2-Pentene, 4-methyl-	5.91	6.7	ug/l	198514	1	7.65	1481250	50.0
Cyclopentane, met...	6.61	15.8	ug/l	467655	1	7.65	1481250	50.0
Cyclopentene, 4-m...	7.37	7.3	ug/l	216631	1	7.65	1481250	50.0
Indane	13.55	13.6	ug/l	464048	4	13.35	1704050	50.0
Benzene, 2-etheny...	14.60	6.1	ug/l	208777	4	13.35	1704050	50.0