LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050820\
Data File : VN061363.D
Acq On : 8 May 2020 15:46
Operator : JC/MD
Sample : L2544-16
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : Z3-DUP-0551-200505

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\82N042720W.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	1.638	3	15	73	rBV	3914479	13048707	100.00%	45.537%
2	4.481	874	899	926	rBV3	91028	313777	2.40%	1.095%
3	6.474	1497	1519	1543	rBV	100836	322929	2.47%	1.127%
4	7.548	1836	1853	1864	rBV	70569	174141	1.33%	0.608%
5	7.625	1865	1877	1890	rVV2	138581	330068	2.53%	1.152%
6	7.702	1890	1901	1920	rVB2	58233	149354	1.14%	0.521%
7	7.895	1941	1961	1976	rBV3	74126	193001	1.48%	0.674%
8	7.989	1976	1990	2015	rVB	95880	224443	1.72%	0.783%
9	8.169	2015	2046	2081	rBV	579791	1460378	11.19%	5.096%
10	8.551	2148	2165	2188	rBV	226742	468874	3.59%	1.636%
11	9.014	2295	2309	2315	rBV	78144	160986	1.23%	0.562%
12	9.188	2348	2363	2380	rVB	78245	166434	1.28%	0.581%
13	9.333	2388	2408	2423	rBV	77730	162636	1.25%	0.568%
14	9.490	2441	2457	2473	rBV	421886	849549	6.51%	2.965%
15	9.622	2479	2498	2525	rBV	763575	1566939	12.01%	5.468%
16	9.992	2592	2613	2623	rBV3	65875	136166	1.04%	0.475%
17	10.059	2623	2634	2661	rVV	372488	771836	5.92%	2.694%
18	10.223	2664	2685	2709	rVB	62442	145887	1.12%	0.509%
19	11.381	3031	3045	3064	rBV2	359693	828915	6.35%	2.893%
20	12.095	3259	3267	3281	rVB	81762	146553	1.12%	0.511%
21	12.377	3343	3355	3366	rBV	277731	460080	3.53%	1.606%
22	12.541	3390	3406	3418	rVB2	74674	153315	1.17%	0.535%
23	13.133	3579	3590	3603	rBV3	171989	386626	2.96%	1.349%
24	13.320	3635	3648	3661	rBV	344901	588637	4.51%	2.054%
25	13.419	3661	3679	3691	rBV	238445	394191	3.02%	1.376%
26	13.487	3691	3700	3719	rVB2	173384	309423	2.37%	1.080%
27	13.863	3803	3817	3827	rBV	697994	1079189	8.27%	3.766%
28	13.921	3827	3835	3841	rVV	258773	399063	3.06%	1.393%
29	13.969	3841	3850	3861	rVB3	814246	1316080	10.09%	4.593%
30	14.107	3881	3893	3901	rBV	174040	288938	2.21%	1.008%
31	14.184	3901	3917	3933	rVB	351156	697162	5.34%	2.433%
32	14.567	4023	4036	4047	rBV3	383273	777235	5.96%	2.712%
33	14.934	4138	4150	4168	rVB4	74540	183378	1.41%	0.640%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN050820\
Data File : VN061363.D
Acq On : 8 May 2020 15:46
Operator : JC/MD
Sample : L2544-16
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : Z3-DUP-0551-200505

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\82N042720W.M
Title : SW846 8260

Sum of corrected areas: 28654890

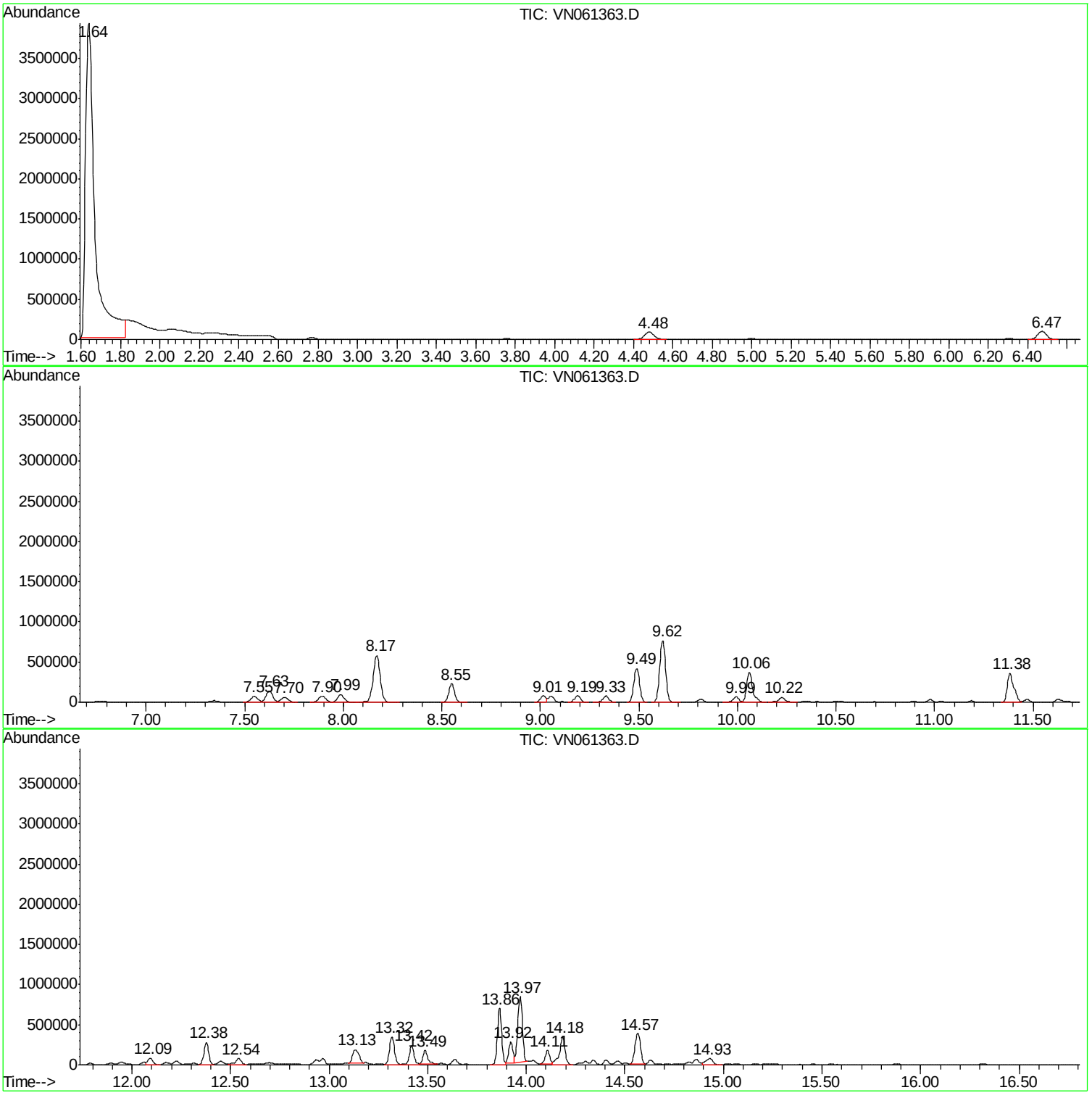
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN050820\
Data File : VN061363.D
Acq On : 8 May 2020 15:46
Operator : JC/MD
Sample : L2544-16
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : Z3-DUP-0551-200505

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
Quant Title : SW846 8260

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



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN050820\
Data File : VN061363.D
Acq On : 8 May 2020 15:46
Operator : JC/MD
Sample : L2544-16
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : Z3-DUP-0551-200505

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
Quant Title : SW846 8260

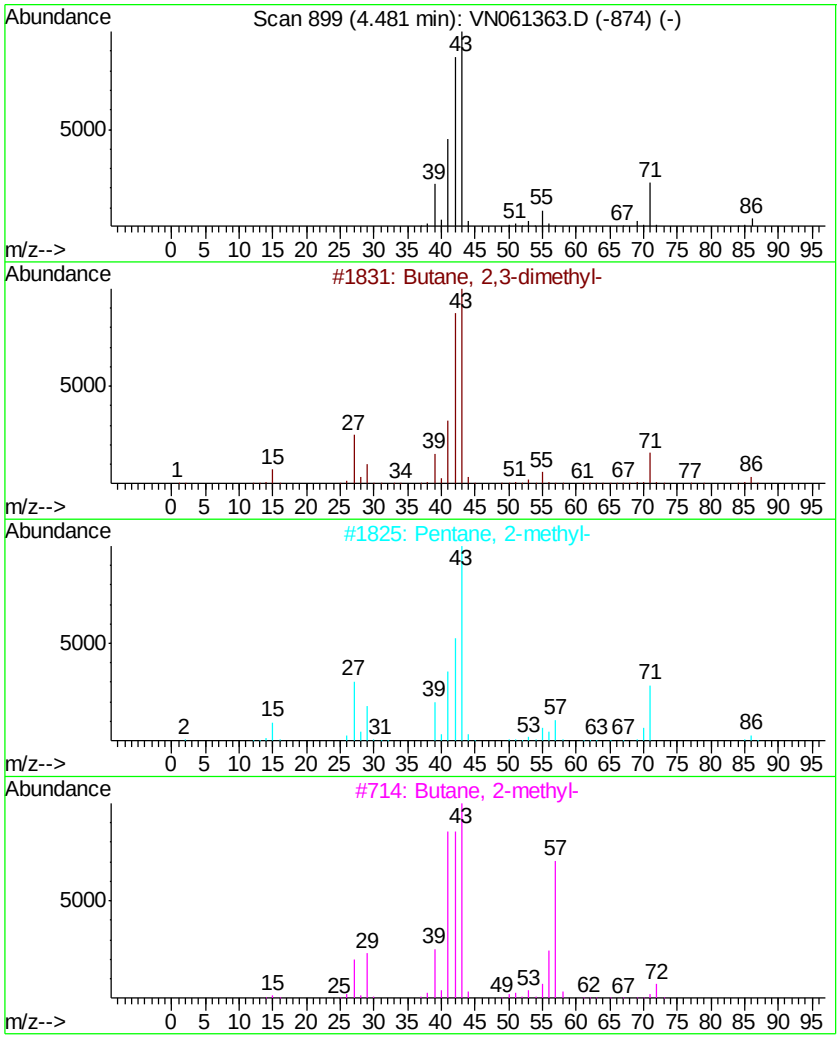
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

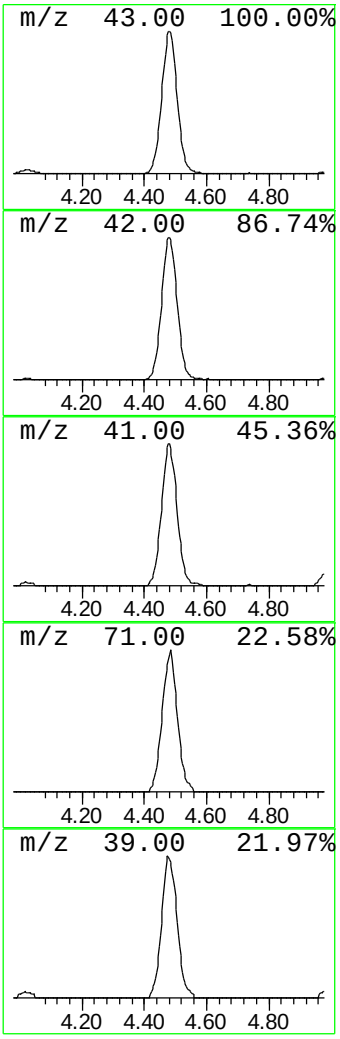
****

Peak Number 2 Butane, 2,3-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.48	47.53 ug/l	313777	Pentafluorobenzene	7.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	91
2	Pentane, 2-methyl-	86	C6H14	000107-83-5	40
3	Butane, 2-methyl-	72	C5H12	000078-78-4	36
4	Pentane	72	C5H12	000109-66-0	23
5	Pyrrolidine	71	C4H9N	000123-75-1	12





Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050820\
Data File : VN061363.D
Acq On : 8 May 2020 15:46
Operator : JC/MD
Sample : L2544-16
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : Z3-DUP-0551-200505

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
Quant Title : SW846 8260

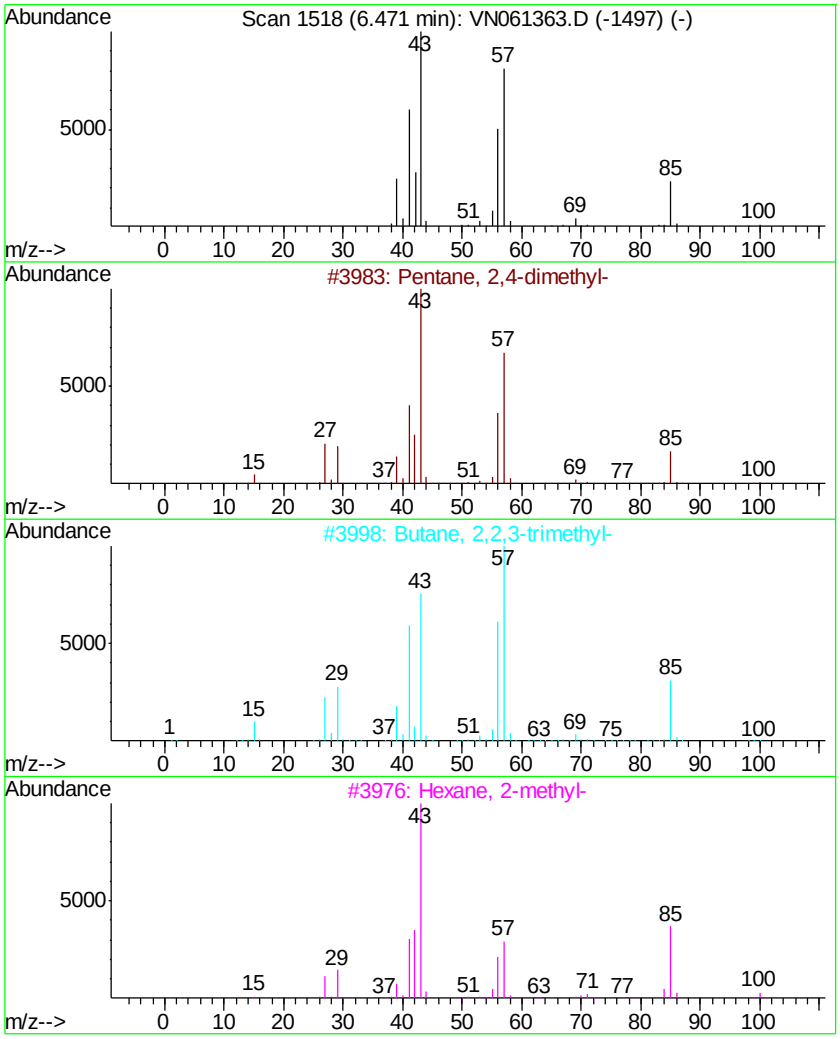
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

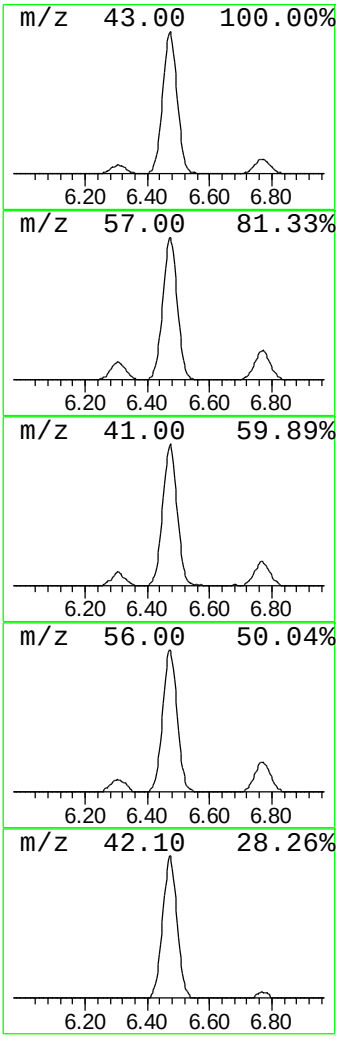
****

Peak Number 3 Pentane, 2,4-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.47	48.92 ug/l	322929	Pentafluorobenzene	7.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	90
2	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	59
3	Hexane, 2-methyl-	100	C7H16	000591-76-4	56
4	n-Hexane	86	C6H14	000110-54-3	53
5	Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050820\
Data File : VN061363.D
Acq On : 8 May 2020 15:46
Operator : JC/MD
Sample : L2544-16
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : Z3-DUP-0551-200505

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
Quant Title : SW846 8260

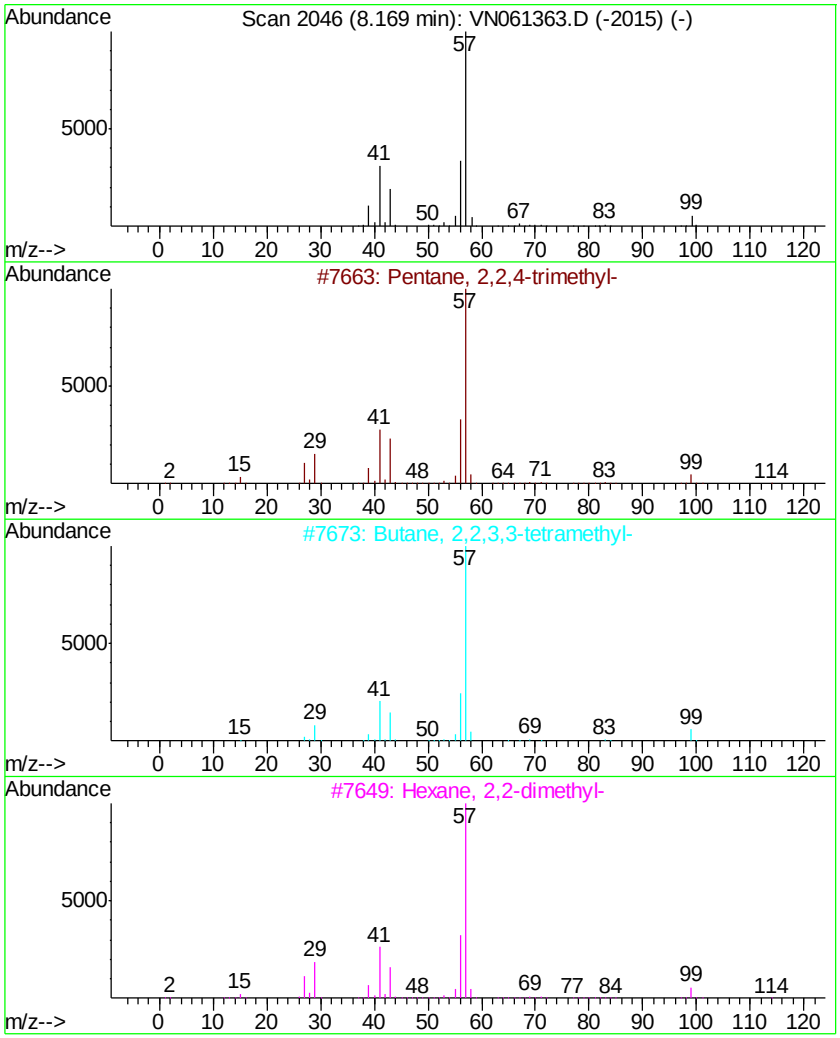
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

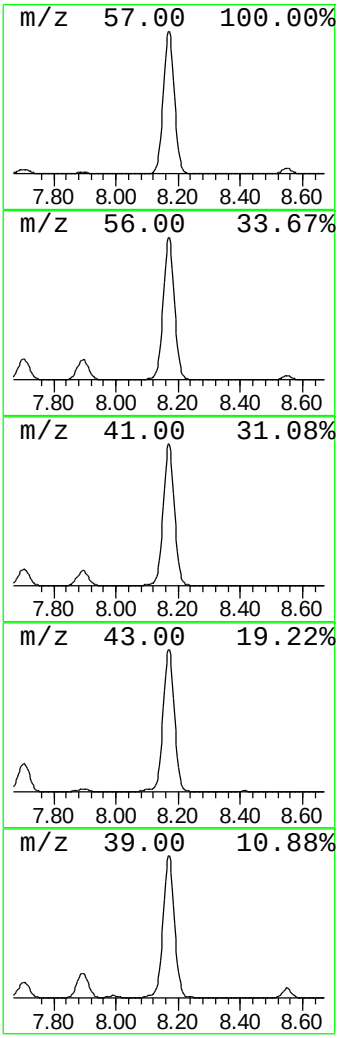
****

Peak Number 4 Pentane, 2,2,4-trimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.17	155.73 ug/l	1460380	1,4-Difluorobenzene	8.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	83
2	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	78
3	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	78
4	Pentane, 2,2,4,4-tetramethyl-	128	C9H20	001070-87-7	72
5	Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	59





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN050820\
Data File : VN061363.D
Acq On : 8 May 2020 15:46
Operator : JC/MD
Sample : L2544-16
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : Z3-DUP-0551-200505

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
Quant Title : SW846 8260

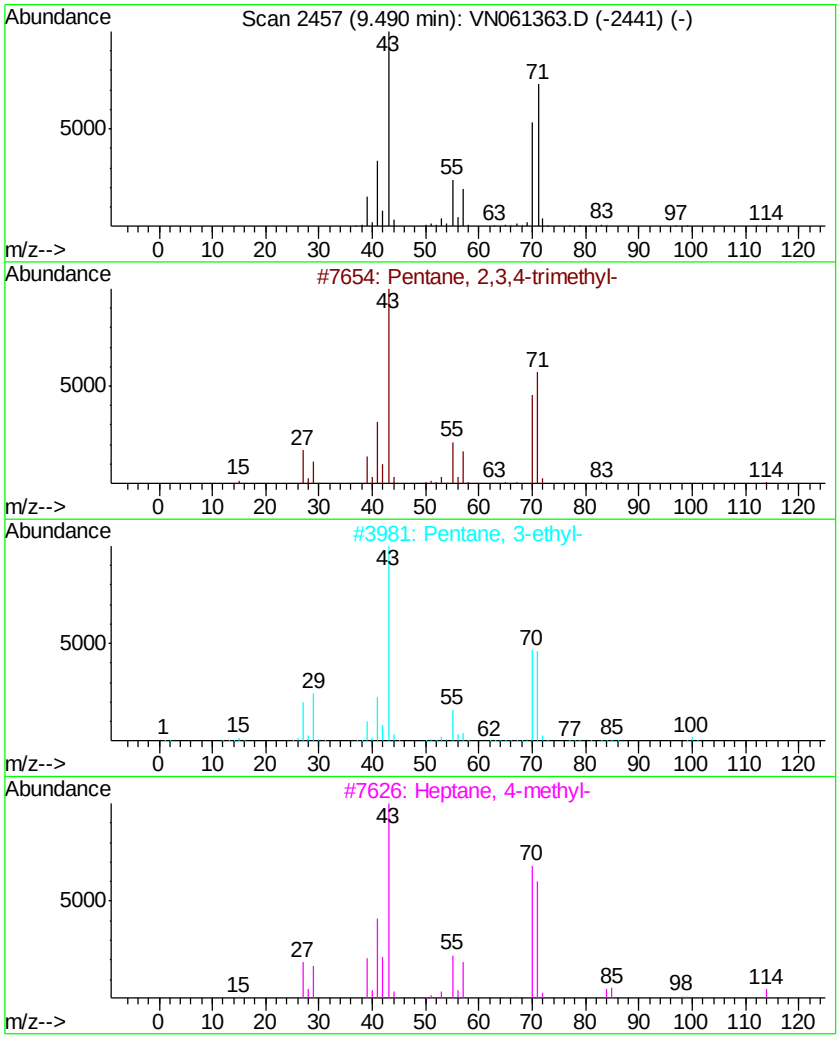
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

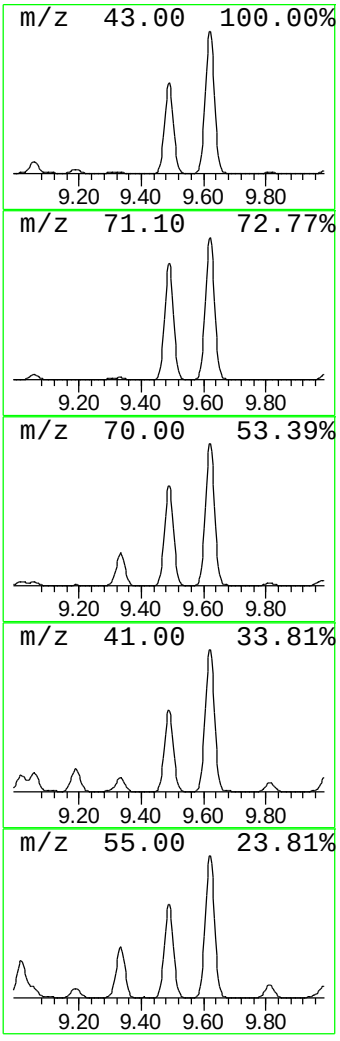
****

Peak Number 5 Pentane, 2,3,4-trimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.49	90.59 ug/l	849549	1,4-Difluorobenzene	8.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	91
2	Pentane, 3-ethyl-	100	C7H16	000617-78-7	83
3	Heptane, 4-methyl-	114	C8H18	000589-53-7	83
4	2,4,4-Trimethyl-1-hexene	126	C9H18	051174-12-0	72
5	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050820\
Data File : VN061363.D
Acq On : 8 May 2020 15:46
Operator : JC/MD
Sample : L2544-16
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : Z3-DUP-0551-200505

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
Quant Title : SW846 8260

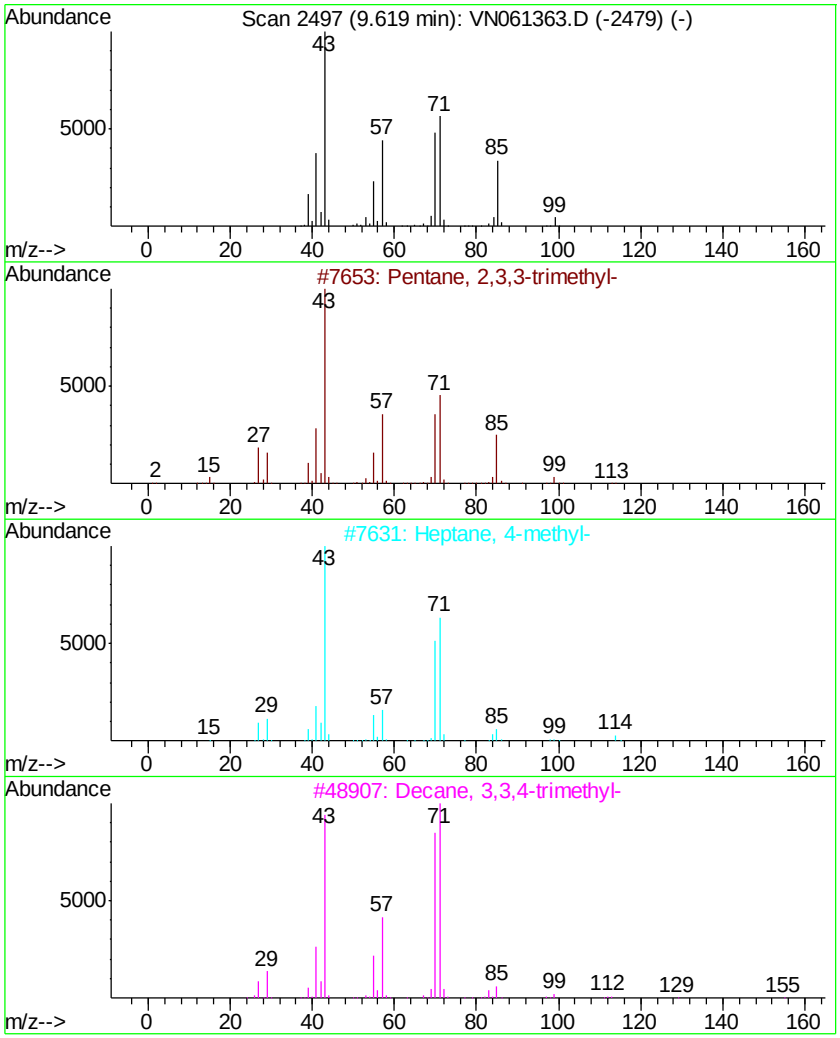
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

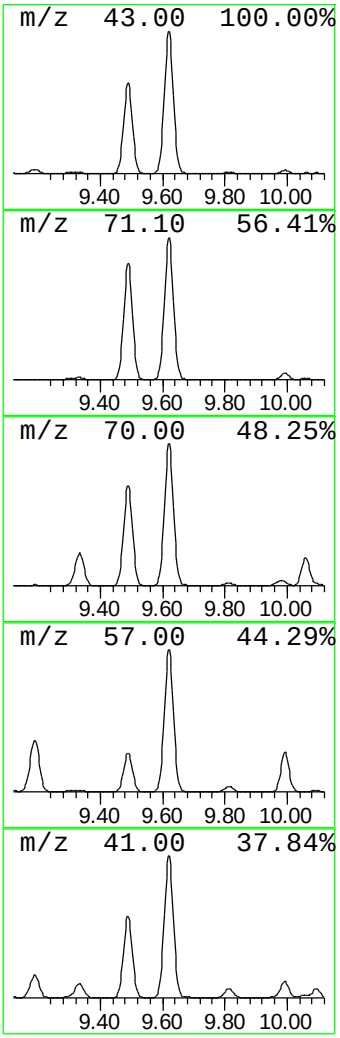
****

Peak Number 6 Pentane, 2,3,3-trimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.62	167.10 ug/l	1566940	1,4-Difluorobenzene	8.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	90
2	Heptane, 4-methyl-	114	C8H18	000589-53-7	64
3	Decane, 3,3,4-trimethyl-	184	C13H28	049622-18-6	64
4	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	59
5	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	59





Library Search Compound Report

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Data File : VN061363.D
Acq On : 8 May 2020 15:46
Operator : JC/MD
Sample : L2544-16
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : Z3-DUP-0551-200505

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
Quant Title : SW846 8260

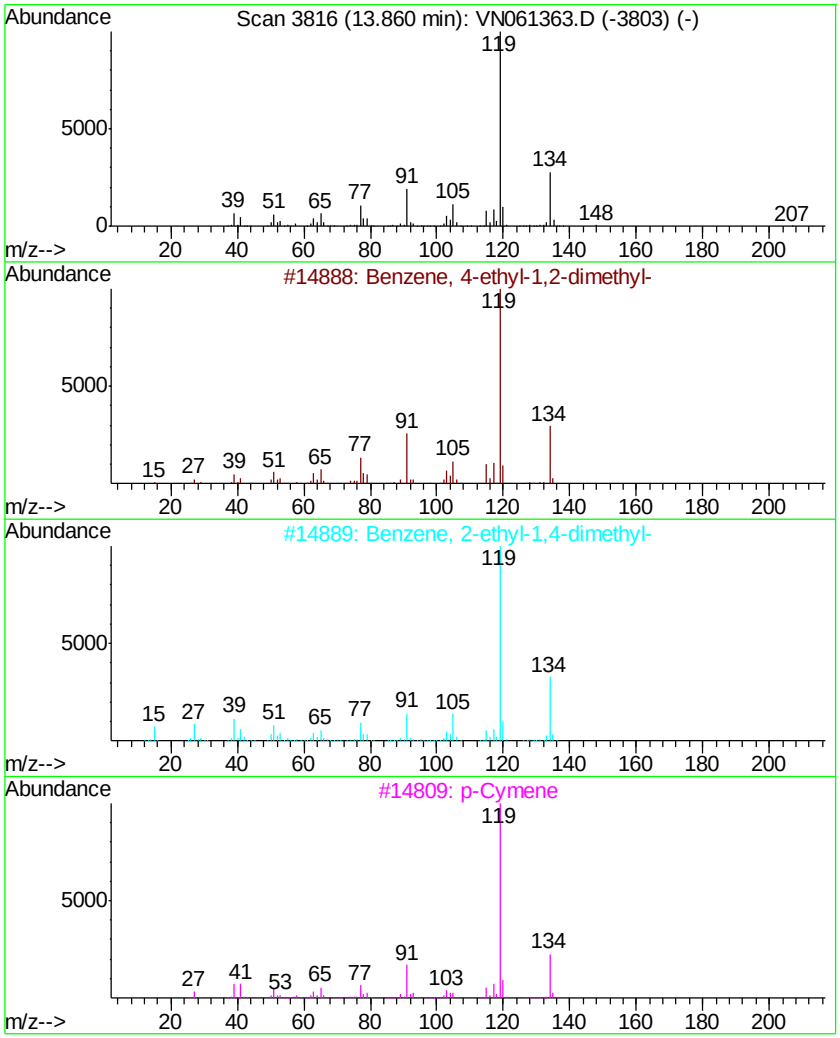
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

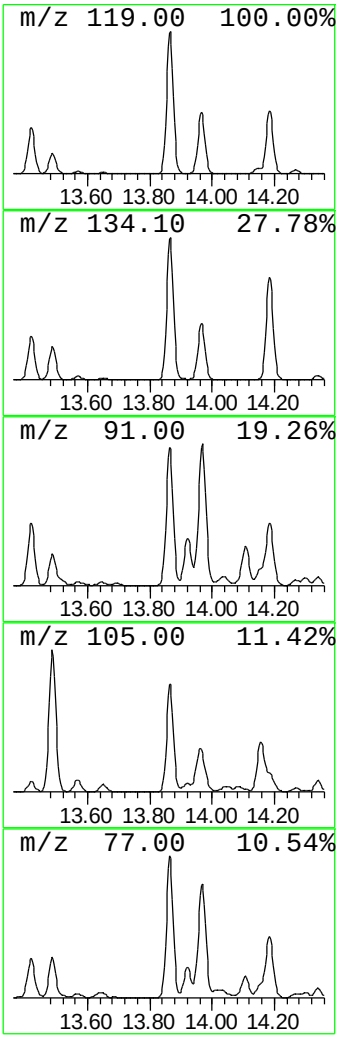
****

Peak Number 7 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.86	91.67 ug/l	1079190	1,4-Dichlorobenzene-d4	13.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
3	p-Cymene	134	C10H14	000099-87-6	95
4	o-Cymene	134	C10H14	000527-84-4	95
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN050820\
Data File : VN061363.D
Acq On : 8 May 2020 15:46
Operator : JC/MD
Sample : L2544-16
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : Z3-DUP-0551-200505

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
Quant Title : SW846 8260

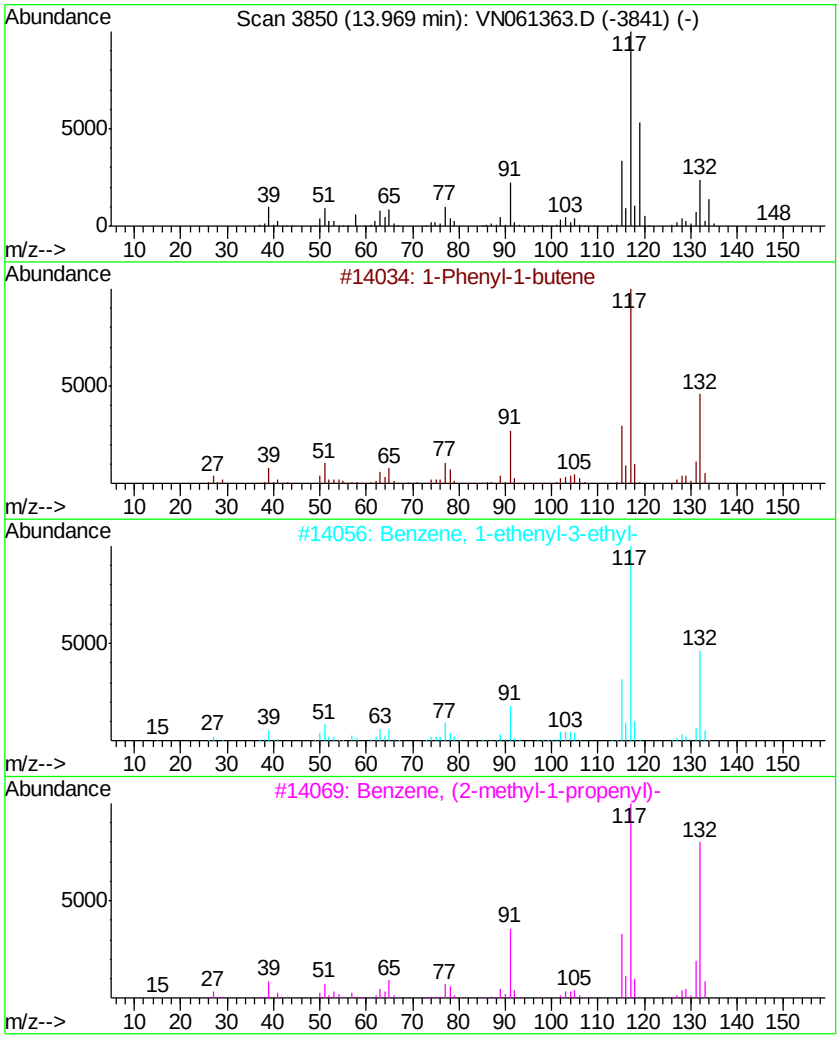
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

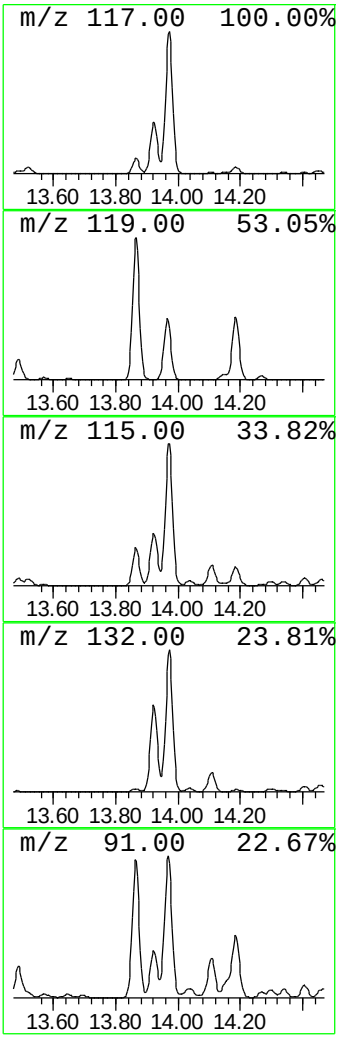
****

Peak Number 8 1-Phenyl-1-butene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.97	111.79 ug/l	1316080	1,4-Dichlorobenzene-d4	13.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Phenyl-1-butene	132	C10H12	000824-90-8	70
2	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	70
3	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	70
4	Benzene, 2-butenyl-	132	C10H12	001560-06-1	70
5	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	70





Library Search Compound Report

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Data File : VN061363.D
Acq On : 8 May 2020 15:46
Operator : JC/MD
Sample : L2544-16
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : Z3-DUP-0551-200505

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
Quant Title : SW846 8260

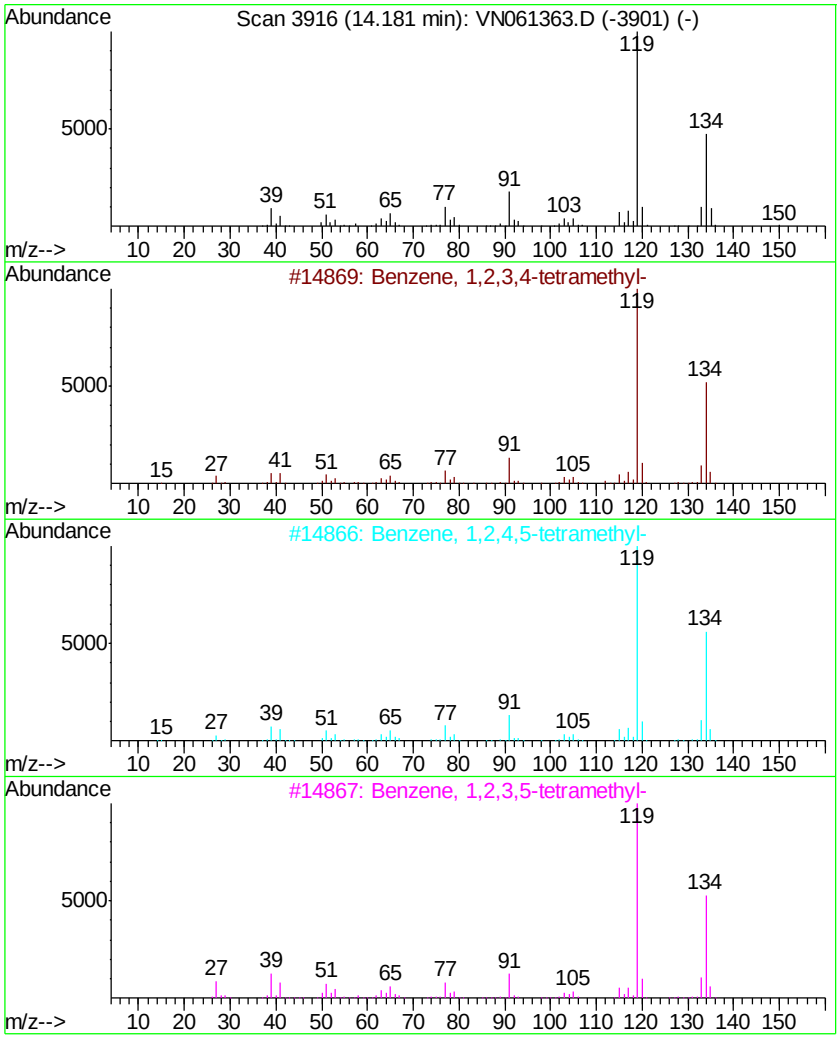
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

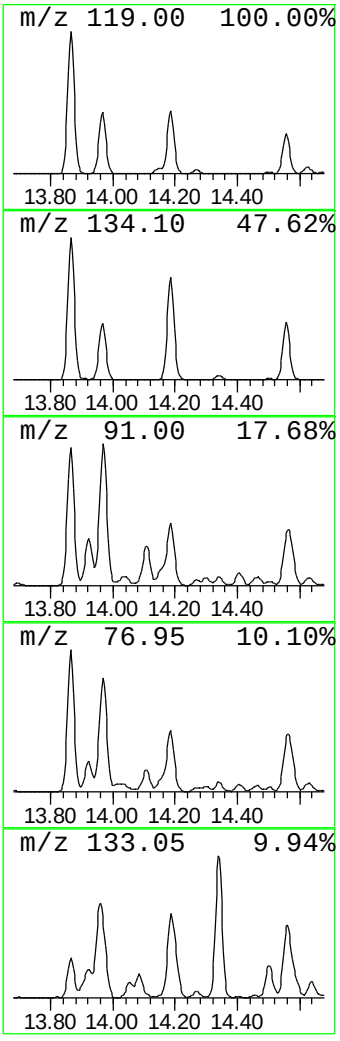
****

Peak Number 9 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.18	59.22 ug/l	697162	1,4-Dichlorobenzene-d4	13.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94
4	p-Cymene	134	C10H14	000099-87-6	94
5	o-Cymene	134	C10H14	000527-84-4	94





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN050820\
Data File : VN061363.D
Acq On : 8 May 2020 15:46
Operator : JC/MD
Sample : L2544-16
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : Z3-DUP-0551-200505

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
Quant Title : SW846 8260

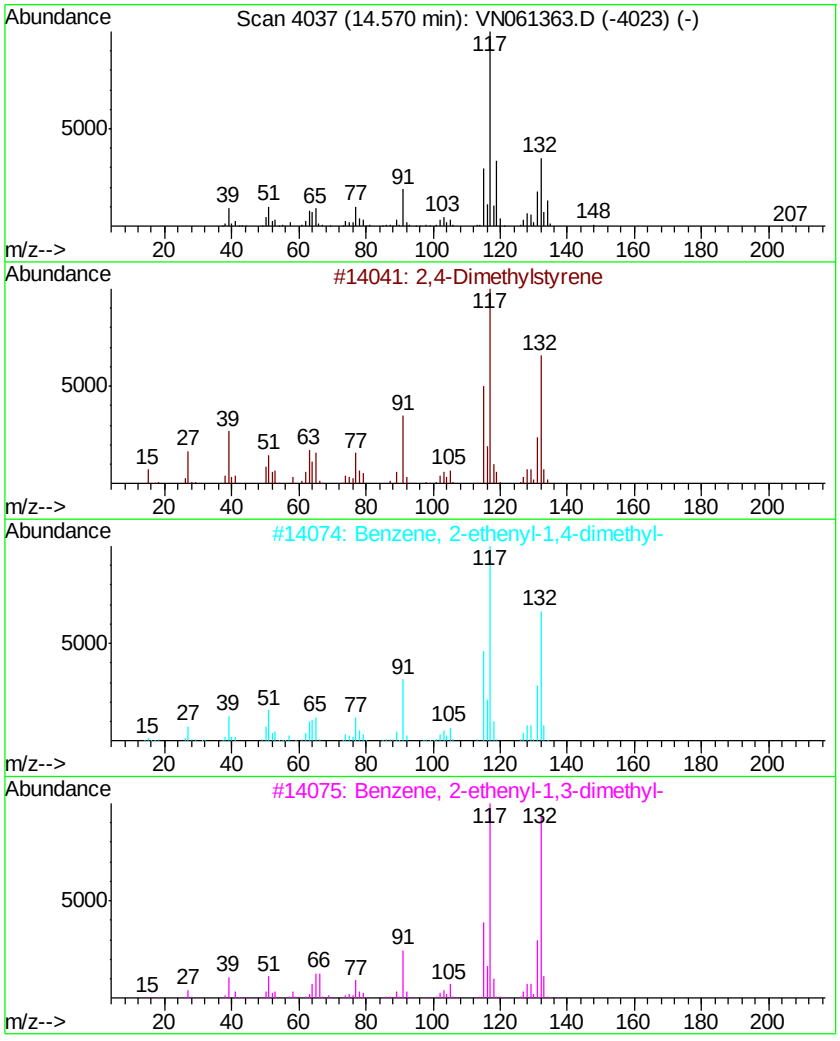
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

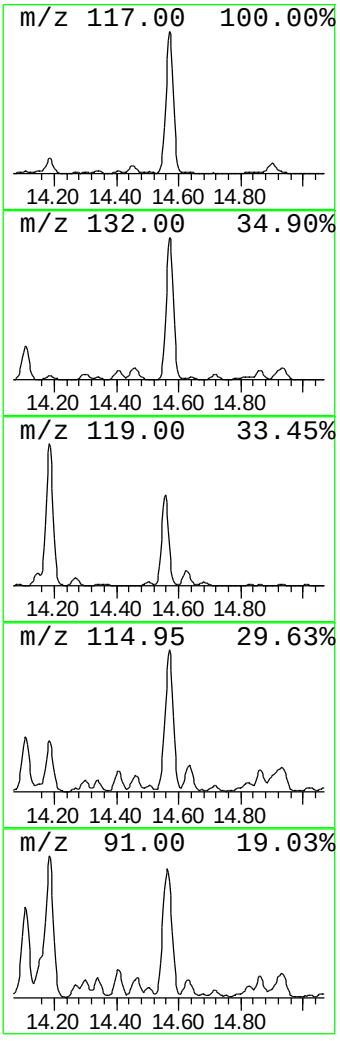
****

Peak Number 10 2,4-Dimethylstyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.57	66.02 ug/l	777235	1,4-Dichlorobenzene-d4	13.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4-Dimethylstyrene	132	C10H12	002234-20-0	90
2	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	90
3	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	70
4	1-Phenyl-1-butene	132	C10H12	000824-90-8	70
5	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN050820\
Data File : VN061363.D
Acq On : 8 May 2020 15:46
Operator : JC/MD
Sample : L2544-16
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : Z3-DUP-0551-200505

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.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, 2,3-dimet...	4.48	47.5	ug/l	313777	1	7.63	330068	50.0
Pentane, 2,4-dime...	6.47	48.9	ug/l	322929	1	7.63	330068	50.0
Pentane, 2,2,4-tr...	8.17	155.7	ug/l	1460380	2	8.55	468874	50.0
Pentane, 2,3,4-tr...	9.49	90.6	ug/l	849549	2	8.55	468874	50.0
Pentane, 2,3,3-tr...	9.62	167.1	ug/l	1566940	2	8.55	468874	50.0
Benzene, 4-ethyl-...	13.86	91.7	ug/l	1079190	4	13.32	588637	50.0
1-Phenyl-1-butene	13.97	111.8	ug/l	1316080	4	13.32	588637	50.0
Benzene, 1,2,3,4-...	14.18	59.2	ug/l	697162	4	13.32	588637	50.0
2,4-Dimethylstyrene	14.57	66.0	ug/l	777235	4	13.32	588637	50.0